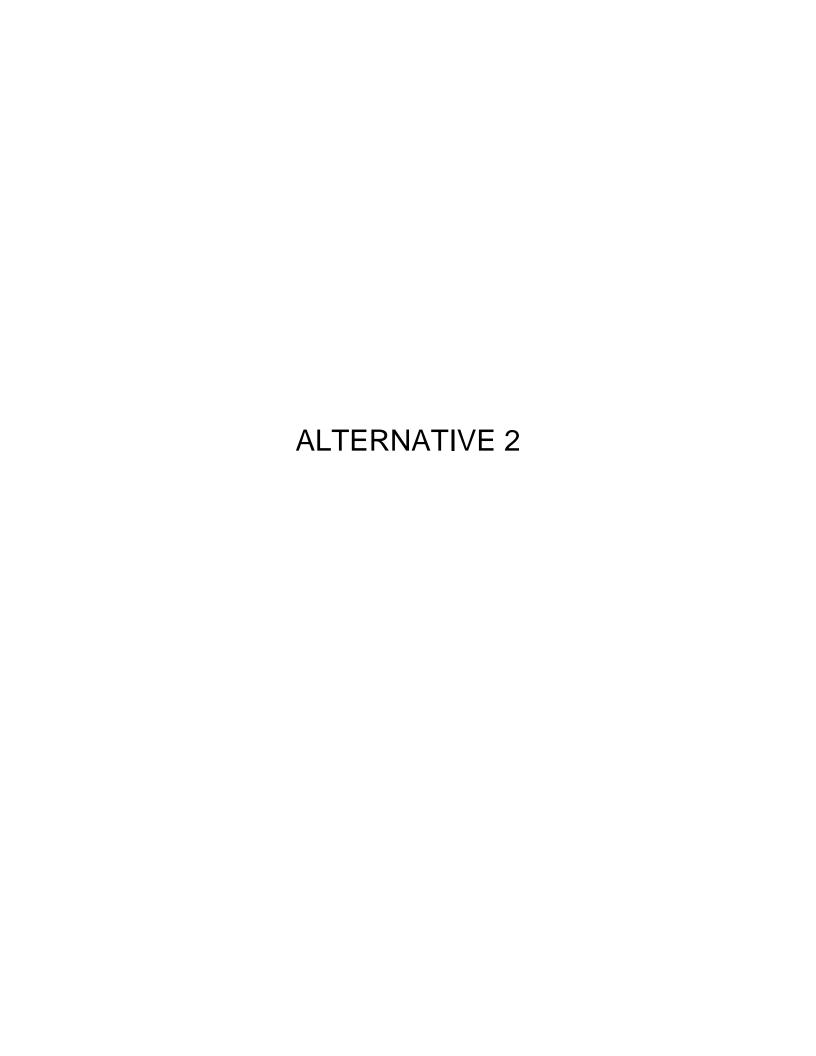
APPENDIX D

COST ANALYSIS
WORKSHEETS A AND B



| Base Allowance | | | | $>\!\!<$ |
|---|---------------|-------------|-----------|-----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | $>\!\!<$ |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | Х | \$2,000 |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 1978 | 3? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Х | \$0 |
| Reasonable Allowance | for Benefite | d Residence | | \$37,000 |
| Unmo | dified Barrie | r Allowance | | \$481,000 |
| Adjusted Reasonable Allowance | for Benefite | d Residence | | |
| Adjusted Unmo | dified Barrie | r Allowance | | |

Country: SD
Route: 56
Mile Post: 0.0/2.5

ALT 2

| Barrier Name or ID | S27 |
|-------------------------------------|-------|
| Barrier Height (feet) | 14-16 |
| Critical Design Receiver | R6A |
| Number of benefited | |
| Residences | 13 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 64 |
| Future Noise Level (dBA) | 69 |
| Change in Noise Level (dB) | 5 |
| Noise Level with Abatement (dBA) | 63 |
| Barrier Insertion Loss (dB) | 6 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|---|-----------------|-------------|-----------|----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | X | \$4,000 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | > < |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | X | \$4,000 |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 19 | 978? | | check one | > < |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | X | \$0 |
| Reasonable Allowan | ce for Benefite | d Residence | | \$41,000 |
| Uni | modified Barrie | r Allowance | | \$82,000 |
| Adjusted Reasonable Allowan | ce for Benefite | d Residence | | |
| | modified Barrie | | | |

Country: SD
Route: 56
Mile Post: 0.0/2.5
ALT 2

| Barrier Name or ID | S31 |
|-------------------------------------|-----|
| Barrier Height (feet) | 8 |
| Critical Design Receiver | R14 |
| Number of benefited | |
| Residences | 2 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 64 |
| Future Noise Level (dBA) | 71 |
| Change in Noise Level (dB) | 7 |
| Noise Level with Abatement (dBA) | 62 |
| Barrier Insertion Loss (dB) | 9 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|--------------|-------------|-----------|-------------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | 1 |
| 75-78 dBA | Add | \$6,000 | | 1 |
| More than 78 dBA | Add | \$8,000 | | • |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | | 1 |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | 1 |
| 12 dBA or more | Add | \$6,000 | | 1 |
| 3. Achievable Noise Reduction | | | check one | $>\!\!<$ |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | Х | \$2,000 |
| 9-11 dBA | Add | \$4,000 | | 1 |
| 12 dBA or more | Add | \$6,000 | | ı |
| 4. Either New Construction or Pre-date 1978? | ? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Χ | \$0 |
| Reasonable Allowance for | or Benefite | d Residence | | \$37,000 |
| Unmod | ified Barrie | r Allowance | | \$1,295,000 |
| Adjusted Reasonable Allowance for | or Benefite | d Residence | | |
| Adjusted Unmod | ified Barrie | r Allowance | | |

| Country: | SD |
|------------|---------|
| Route: | 56 |
| Mile Post: | 0.0/2.5 |
| | ALT 2 |

| Barrier Name or ID | S35 |
|-------------------------------------|-------|
| Barrier Height (feet) | 10-12 |
| Critical Design Receiver | R18 |
| Number of benefited | |
| Residences | 35 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 65 |
| Future Noise Level (dBA) | 68 |
| Change in Noise Level (dB) | 3 |
| Noise Level with Abatement (dBA) | 62 |
| Barrier Insertion Loss (dB) | 6 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|------------------|-------------|-----------|-----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | Χ | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | check one | > < | |
| Less than 6 dBA | Add | \$0 | Х | \$0 |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date | 1978? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Χ | \$0 |
| Reasonable Allowai | nce for Benefite | d Residence | | \$33,000 |
| Ur | nmodified Barrie | r Allowance | | \$231,000 |
| Adjusted Reasonable Allowa | nce for Benefite | d Residence | | |
| Adjusted Ur | nmodified Barrie | r Allowance | | |

Country: SD
Route: 56
Mile Post: 0.0/2.5

ALT 2

| Barrier Name or ID | S41 |
|-------------------------------------|------|
| Barrier Height (feet) | 12 |
| Critical Design Receiver | R29B |
| Number of benefited | |
| Residences | 7 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 64 |
| Future Noise Level (dBA) | 66 |
| Change in Noise Level (dB) | 2 |
| Noise Level with Abatement (dBA) | 61 |
| Barrier Insertion Loss (dB) | 5 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|---|----------------|-------------|-----------|-----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | Χ | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | > < |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | Х | \$2,000 |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 19 | 78? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Х | \$0 |
| Reasonable Allowanc | e for Benefite | d Residence | | \$35,000 |
| Unm | odified Barrie | r Allowance | | \$385,000 |
| Adjusted Reasonable Allowanc | e for Benefite | d Residence | | |
| Adjusted Unm | odified Barrie | r Allowance | | |

Country: SD
Route: 56
Mile Post: 0.0/2.5

ALT 2

| Barrier Name or ID | S47 |
|-------------------------------------|-------|
| Barrier Height (feet) | 10-14 |
| Critical Design Receiver | R32 |
| Number of benefited | |
| Residences | 11 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 67 |
| Future Noise Level (dBA) | 68 |
| Change in Noise Level (dB) | 1 |
| Noise Level with Abatement (dBA) | 62 |
| Barrier Insertion Loss (dB) | 6 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|---------------|-------------|-----------|-----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | > < |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | > < |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | Х | \$2,000 |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 197 | 8? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | X | \$0 |
| Reasonable Allowance | for Benefite | d Residence | | \$37,000 |
| Unmo | dified Barrie | r Allowance | | \$259,000 |
| Adjusted Reasonable Allowance | for Benefite | d Residence | | |
| Adjusted Unmo | dified Barrie | r Allowance | | |

Country: SD
Route: 56
Mile Post: 0.0/2.5

ALT 2

| Barrier Name or ID | S20 |
|-------------------------------------|-------|
| Barrier Height (feet) | 12-16 |
| Critical Design Receiver | R45 |
| Number of benefited | |
| Residences | 7 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 65 |
| Future Noise Level (dBA) | 69 |
| Change in Noise Level (dB) | 4 |
| Noise Level with Abatement (dBA) | 61 |
| Barrier Insertion Loss (dB) | 8 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|------------------|-------------|-----------|-----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | Χ | \$4,000 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | > < |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | Х | \$4,000 |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 1 | 978? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | X | \$10,000 |
| No on both | Add | \$0 | | - |
| Reasonable Allowar | nce for Benefite | d Residence | | \$51,000 |
| Un | modified Barrie | r Allowance | | \$102,000 |
| Adjusted Reasonable Allowar | nce for Benefite | d Residence | | |
| Adjusted Un | modified Barrie | r Allowance | | |

Country: SD
Route: 56
Mile Post: 0.0/2.5
ALT 2

| Barrier Name or ID | S34 |
|-------------------------------------|------|
| Barrier Height (feet) | 8-10 |
| Critical Design Receiver | R46 |
| Number of benefited | |
| Residences | 2 |
| New Hwy Construction | No |
| Pre 1978 residences | Yes |
| Existing Noise Level (dBA) | 66 |
| Future Noise Level (dBA) | 71 |
| Change in Noise Level (dB) | 5 |
| Noise Level with Abatement (dBA) | 60 |
| Barrier Insertion Loss (dB) | 11 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|---|-------------------------|------------------------------------|-----------|---------------------------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | Х | \$4,000 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | > < |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | Х | \$2,000 |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| | | | | |
| 4. Either New Construction or Pre-date 1978? | | | check one | $>\!\!<$ |
| 4. Either New Construction or Pre-date 1978? Yes on either one | Add | \$10,000 | check one | \$10,000 |
| | Add Add | - | | \$10,000 |
| Yes on either one | Add | \$0 | | \$10,000 - \$49,000 |
| Yes on either one No on both Reasonable Allowance for | Add Benefite | \$0 | | - |
| Yes on either one No on both Reasonable Allowance for | Add Benefitedied Barrie | \$0 d Residence er Allowance | | \$49,000 |

Country: SD
Route: 56
Mile Post: 0.0/2.5

ALT 2

| Barrier Name or ID | S34 OPT |
|-------------------------------------|---------|
| Barrier Height (feet) | 12-14 |
| Critical Design Receiver | R46 |
| Number of benefited | |
| Residences | 2 |
| New Hwy Construction | No |
| Pre 1978 residences | Yes |
| Existing Noise Level (dBA) | 66 |
| Future Noise Level (dBA) | 71 |
| Change in Noise Level (dB) | 5 |
| Noise Level with Abatement (dBA) | 63 |
| Barrier Insertion Loss (dB) | 8 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

Table B-2.

| Base Allowance | | | | |
|-------------------------------------|-----------------------|--------------|-----------|---------------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $\overline{}$ |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | Х | \$4,000 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | 3 | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | Χ | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | $>\!\!<$ |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | Х | \$2,000 |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre- | date 1978? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | X | \$0 |
| Reasonable A | llowance for Benefite | d Residence | | \$37,000 |
| | Unmodified Barrie | r Allowance | | \$37,000 |
| Adjusted Reasonable A | llowance for Benefite | d Residence | | |
| Adjus | ted Unmodified Barrie | er Allowance | | |

Country: SD Route: 5 Mile Post: 32.7/34.8

ALT 2

Barrier Name or ID S539 Barrier Height (feet) R4.1 Critical Design Receiver Number of benefited Residences New Hwy Construction No Pre 1978 residences No Existing Noise Level (dBA) 70 Future Noise Level (dBA) 72 Change in Noise Level (dB) Noise Level with 64 Abatement (dBA) Barrier Insertion Loss (dB)

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|------------------|--------------|-----------|-----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | | 1 |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | Х | \$6,000 |
| More than 78 dBA | Add | \$8,000 | | 1 |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | >> |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | X | \$6,000 |
| 4. Either New Construction or Pre-date 1 | 978? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Х | \$0 |
| Reasonable Allowan | ce for Benefite | d Residence | | \$45,000 |
| Un | modified Barrie | er Allowance | | \$225,000 |
| Adjusted Reasonable Allowan | ce for Benefite | d Residence | | |
| Adjusted Hedsonable Allowan | OO TOT BOTTOTICO | | | |

Country: SD Route: 5 Mile Post: 32.7/34.8

ALT 2

Barrier Name or ID S541 Barrier Height (feet) 8-14 R4.4 Critical Design Receiver Number of benefited Residences New Hwy Construction No Pre 1978 residences No Existing Noise Level (dBA) 70 Future Noise Level (dBA) 75 Change in Noise Level (dB) Noise Level with 63 Abatement (dBA) Barrier Insertion Loss (dB) 12

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | \bigvee |
|--|--------------------------------------|---|----------------|---------------------------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | \bigvee |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | X | \$8,000 |
| 2. "Build" vs Existing Noise Levels | | | check one | \mathbb{X} |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | Х | \$4,000 |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | معماد معم | \setminus |
| 3. Achievable Noise neduction | | | check one | |
| Less than 6 dBA | Add | \$0 | cneck one | · · |
| | | \$0 \$2,000 | спеск опе | · . |
| Less than 6 dBA | Add | | X | - - \$4,000 |
| Less than 6 dBA 6-8 dBA | Add Add | \$2,000 | | - - \$4,000 - |
| Less than 6 dBA 6-8 dBA 9-11 dBA | Add Add | \$2,000 \$4,000 | | - - \$4,000 - |
| Less than 6 dBA 6-8 dBA 9-11 dBA 12 dBA or more | Add Add Add | \$2,000 \$4,000 | Х | \$4,000 - \$10,000 |
| Less than 6 dBA 6-8 dBA 9-11 dBA 12 dBA or more 4. Either New Construction or Pre-date 1978? | Add Add Add | \$2,000 \$4,000 \$6,000 \$10,000 | X check one | |
| Less than 6 dBA 6-8 dBA 9-11 dBA 12 dBA or more 4. Either New Construction or Pre-date 1978? Yes on either one | Add Add Add Add Add | \$2,000 \$4,000 \$6,000 \$10,000 \$0 | X check one | |
| Less than 6 dBA 6-8 dBA 9-11 dBA 12 dBA or more 4. Either New Construction or Pre-date 1978? Yes on either one No on both Reasonable Allowance for E | Add Add Add Add Add | \$2,000 \$4,000 \$6,000 \$10,000 \$0 | X check one | \$10,000 |
| Less than 6 dBA 6-8 dBA 9-11 dBA 12 dBA or more 4. Either New Construction or Pre-date 1978? Yes on either one No on both Reasonable Allowance for E | Add Add Add Add Add Add Add Benefite | \$2,000 \$4,000 \$6,000 \$10,000 \$0 d Residence | X check one | \$10,000 - \$57,000 |

Country: SD Route: 5 Mile Post: 32.7/34.8

ALT 2

Barrier Name or ID S545 Barrier Height (feet) 8-16 R4.9 Critical Design Receiver Number of benefited Residences 24 New Hwy Construction No Pre 1978 residences Yes Existing Noise Level (dBA) 68 Future Noise Level (dBA) 79 Change in Noise Level (dB) 11 Noise Level with 70 Abatement (dBA) Barrier Insertion Loss (dB)

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|------------------|--------------|-----------|-----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | 1 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | 1 |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | X | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | 1 |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | >> |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | Х | \$2,000 |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | • |
| 4. Either New Construction or Pre-date | 1978? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | X | \$10,000 |
| No on both | Add | \$0 | | - |
| Reasonable Allowa | nce for Benefite | d Residence | | \$45,000 |
| Ur | nmodified Barrie | r Allowance | | \$810,000 |
| Adjusted Reasonable Allowa | nce for Benefite | d Residence | | |
| Adjusted Ur | nmodified Barrie | er Allowance | | |

Country: SD
Route: 5
Mile Post: 32.7/34.8

ALT 2

Barrier Name or ID S551 Barrier Height (feet) 14-16 Critical Design Receiver R4.17A Number of benefited Residences 18 New Hwy Construction No Pre 1978 residences Yes Existing Noise Level (dBA) 66 Future Noise Level (dBA) 68 Change in Noise Level (dB) Noise Level with 62 Abatement (dBA) Barrier Insertion Loss (dB)

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|---|------------------------------------|-----------|---------------------------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | > < |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | Х | \$6,000 |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | Х | \$4,000 |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | > < |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | Х | \$4,000 |
| 12 dBA or more | Add | \$6,000 | | - |
| | | | ahaak ana | $\overline{}$ |
| 4. Either New Construction or Pre-date 1978 | ? | | check one | |
| 4. Either New Construction or Pre-date 1978? Yes on either one | | \$10,000 | X | \$10,000 |
| | | · | | \$10,000 - |
| Yes on either one | Add Add | \$0 | | \$10,000 - \$55,000 |
| Yes on either one No on both Reasonable Allowance for | Add Add or Benefited | \$0 | | - |
| Yes on either one No on both Reasonable Allowance for | Add Add or Benefited lified Barrie | \$0 d Residence er Allowance | | - \$55,000 |

Country: SD
Route: 5
Mile Post: 32.7/34.8
ALT 2

| Barrier Name or ID | S555 |
|-------------------------------------|--------|
| Barrier Height (feet) | 8 |
| Critical Design Receiver | R4.21A |
| Number of benefited | |
| Residences | 4 |
| New Hwy Construction | No |
| Pre 1978 residences | Yes |
| Existing Noise Level (dBA) | 68 |
| Future Noise Level (dBA) | 78 |
| Change in Noise Level (dB) | 10 |
| Noise Level with Abatement (dBA) | 67 |
| Barrier Insertion Loss (dB) | 11 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|---|---------------------------------------|---|-----------|--------------------------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | > < |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | X | \$8,000 |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!<$ |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | > < |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | | - |
| 0.44 4DA | | | | |
| 9-11 dBA | Add | \$4,000 | Χ | \$4,000 |
| 12 dBA or more | | \$4,000 \$6,000 | Х | \$4,000 - |
| | Add | | Check one | \$4,000 |
| 12 dBA or more | Add ? | | | \$4,000 - - |
| 12 dBA or more 4. Either New Construction or Pre-date 1978 | Add ? | \$6,000 \$10,000 | | \$4,000 - - \$0 |
| 12 dBA or more 4. Either New Construction or Pre-date 1978 Yes on either one | Add ? Add Add | \$6,000 \$10,000 \$0 | check one | >< |
| 12 dBA or more 4. Either New Construction or Pre-date 1978 Yes on either one No on both Reasonable Allowance f | Add ? Add Add or Benefite | \$6,000 \$10,000 \$0 | check one | - \$0 |
| 12 dBA or more 4. Either New Construction or Pre-date 1978 Yes on either one No on both Reasonable Allowance f | Add Add Add or Benefited | \$6,000 \$10,000 \$0 d Residence | check one | - \$0 \$45,000 |

Country: SD Route: 5 Mile Post: 32.7/34.8

ALT 2

Barrier Name or ID S557 Barrier Height (feet) 8-10 R4.23A Critical Design Receiver Number of benefited Residences 10 New Hwy Construction No Pre 1978 residences No 77 Existing Noise Level (dBA) Future Noise Level (dBA) 80 Change in Noise Level (dB) Noise Level with 70 Abatement (dBA) Barrier Insertion Loss (dB) 10

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|---|-----------------|-------------|-----------|-----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | > < |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | X | \$6,000 |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | > < |
| Less than 3 dBA | Add | \$0 | Χ | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | > < |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | Х | \$4,000 |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 19 | 978? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Χ | \$0 |
| Reasonable Allowand | | \$41,000 | | |
| Unmodified Barrier Allowance | | | | \$246,000 |
| Adjusted Reasonable Allowand | ce for Benefite | d Residence | | |
| Adjusted Unr | nodified Barrie | r Allowance | | _ |

Country: SD
Route: 5
Mile Post: 32.7/34.8

ALT 2

| Barrier Name or ID | S561 |
|-------------------------------------|------|
| Barrier Height (feet) | 8 |
| Critical Design Receiver | R5.1 |
| Number of benefited | |
| Residences | 6 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 75 |
| Future Noise Level (dBA) | 76 |
| Change in Noise Level (dB) | 1 |
| Noise Level with Abatement (dBA) | 65 |
| Barrier Insertion Loss (dB) | 11 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|----------|-------------|-----------|-----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | > < |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | Х | \$2,000 |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 1978? | | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | Χ | \$10,000 |
| No on both | Add | \$0 | | - |
| Reasonable Allowance for B | | \$47,000 | | |
| Unmodified Barrier Allowance | | | | \$188,000 |
| Adjusted Reasonable Allowance for B | enefite | d Residence | | |
| Adjusted Unmodified | l Barrio | r Allowance | | |

Country: SD Route: 5 Mile Post: 32.7/34.8

ALT 2

| Barrier Name or ID | S563 |
|-------------------------------------|-------|
| Barrier Height (feet) | 8 |
| Critical Design Receiver | R5.5A |
| Number of benefited | |
| Residences | 4 |
| New Hwy Construction | No |
| Pre 1978 residences | Yes |
| Existing Noise Level (dBA) | 63 |
| Future Noise Level (dBA) | 69 |
| Change in Noise Level (dB) | 6 |
| Noise Level with Abatement (dBA) | 61 |
| Barrier Insertion Loss (dB) | 8 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|-----------------------|-----------------------------|-----------|-----------------------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | > < |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | Х | \$4,000 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | Χ | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | > < |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | Х | \$4,000 |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 1978? | | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | Χ | \$10,000 |
| No on both | Add | \$0 | | - |
| ווט טוו טטנוו | | | | |
| Reasonable Allowance for | | d Residence | | \$49,000 |
| Reasonable Allowance for | Benefite | d Residence er Allowance | | \$49,000 \$637,000 |
| Reasonable Allowance for | Benefite ed Barrie | r Allowance | | |

Country: SD Route: 5 Mile Post: 32.7/34.8

ALT 2

Barrier Name or ID S567 Barrier Height (feet) R5.7 Critical Design Receiver Number of benefited Residences 13 New Hwy Construction No Pre 1978 residences Yes Existing Noise Level (dBA) 72 Future Noise Level (dBA) 74 Change in Noise Level (dB) Noise Level with 63 Abatement (dBA) Barrier Insertion Loss (dB) 11

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|------------------------------|-------------|-----------|----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | 1 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | • |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | X | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | 1 |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | >> |
| Less than 6 dBA | Add | \$0 | X | \$0 |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | 1 |
| 4. Either New Construction or Pre-date | 1978? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | X | \$10,000 |
| No on both | Add | \$0 | | 1 |
| Reasonable Allowa | | \$43,000 | | |
| Uı | Unmodified Barrier Allowance | | | |
| Adjusted Reasonable Allowa | nce for Benefite | d Residence | | |
| Adjusted U | nmodified Barrie | r Allowance | | |

Country: SD
Route: 5
Mile Post: 32.7/34.8
ALT 2

Barrier Name or ID S569 Barrier Height (feet) 8-14 R5.9A Critical Design Receiver Number of benefited Residences New Hwy Construction No Pre 1978 residences Yes Existing Noise Level (dBA) 67 Future Noise Level (dBA) 67 Change in Noise Level (dB) Noise Level with 62 Abatement (dBA) Barrier Insertion Loss (dB)

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|----------------|-------------|-----------|-----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | Х | \$4,000 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | Χ | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | > < |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | Х | \$6,000 |
| 4. Either New Construction or Pre-date 1978? | ? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Х | \$0 |
| Reasonable Allowance for | | \$41,000 | | |
| Unmodified Barrier Allowance | | | | \$410,000 |
| Adjusted Reasonable Allowance for | or Benefite | d Residence | | |
| Adjusted Unmod | idia al Dannia | Alla | | |

Country: SD Route: 5 Mile Post: 32.7/34.8

ALT 2

Barrier Name or ID S568 Barrier Height (feet) 8-12 R5.23 Critical Design Receiver Number of benefited Residences 10 New Hwy Construction No Pre 1978 residences No Existing Noise Level (dBA) 69 Future Noise Level (dBA) 70 Change in Noise Level (dB) Noise Level with 58 Abatement (dBA) Barrier Insertion Loss (dB) 12

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

County: San Diego Route: I-5/SR56 Mile Post: MP 32.7/34.8 / 0.0/2.5 Program Code: Alternative 2

Project Exp Auth: 11-177900

Construction cost without abatement: \$281,000,000

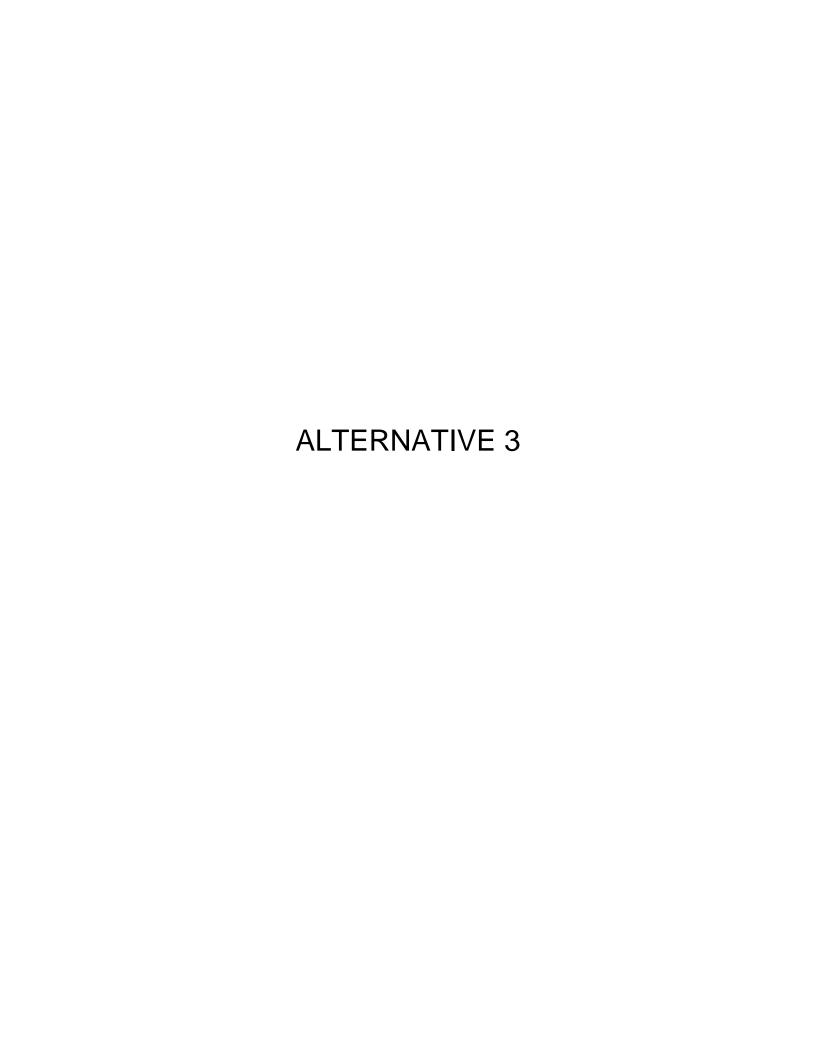
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|------------|--|--------------------------------------|--|----------------------------------|---|----------------------------------|---|
| | From Wo | rksheet A | | Adjusted Barrier Allowance vs | Percentage of Total Barrier Allowance | Modified Barrier Allowance | Modified Allowance per Benefited Residence |
| Barrier ID | Adjusted Allowance for Critical Design Receiver | Number of Benefited Residences | Adjusted Unmodified Barrier Allowance | Construction Cost | (col 4: A/ ΣA) | (A/ ΣA x 0.5 x Const Cost) | (col 7 /col 3) |
| | a _i | n _i | $A_i = a_i \times n$ | | | | |
| S27 | \$37,000 | 13 | \$481,000 | If the total in column 4 | N/A | N/A | N/A |
| S31 | \$41,000 | 2 | \$82,000 | is equal to or less than | N/A | N/A | N/A |
| S35 | \$37,000 | 35 | \$1,295,000 | than 50% of | N/A | N/A | N/A |
| S41 | \$33,000 | 7 | \$231,000 | construction cost | N/A | N/A | N/A |
| S47 | \$35,000 | 11 | \$385,000 | without abatement, | N/A | N/A | N/A |
| S20 | \$37,000 | 7 | \$259,000 | no adjustment is | N/A | N/A | N/A |
| S34 | \$51,000 | 2 | \$102,000 | necessary, otherwise | N/A | N/A | N/A |
| S539 | \$37,000 | 1 | \$37,000 | continue to next | N/A | N/A | N/A |
| S541 | \$45,000 | 5 | \$225,000 | three columns. | N/A | N/A | N/A |
| S545 | \$57,000 | 24 | \$1,368,000 | | N/A | N/A | N/A |
| S551 | \$45,000 | 18 | \$810,000 | | N/A | N/A | N/A |
| S555 | \$55,000 | 4 | \$220,000 | | N/A | N/A | N/A |
| S557 | \$45,000 | 10 | \$450,000 | | N/A | N/A | N/A |
| S561 | \$41,000 | 6 | \$246,000 | | N/A | N/A | N/A |
| S563 | \$47,000 | 4 | \$188,000 | | N/A | N/A | N/A |
| S567 | \$49,000 | 13 | \$637,000 |] | N/A | N/A | N/A |
| S569 | \$43,000 | 3 | \$129,000 |] | N/A | N/A | N/A |
| S568 | \$41,000 | 10 | \$410,000 | | N/A | N/A | N/A |
| | Totals | 175 | \$7,555,000 | | \mathbb{N} | \searrow | \mathbb{N} |

County: San Diego Route: I-5/SR56 Mile Post: MP 32.7/34.8 / 0.0/2.5 Program Code: Alternative 2

Project Exp Auth: 11-177900 S34 Option

Construction cost without abatement: \$281,000,000

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|------------|--|--------------------------------------|--|----------------------------------|---|----------------------------------|---|
| | From Wo | rksheet A | | Adjusted Barrier Allowance vs | Percentage of Total Barrier Allowance | Modified Barrier Allowance | Modified Allowance per Benefited Residence |
| Barrier ID | Adjusted Allowance for Critical Design Receiver | Number of Benefited Residences | Adjusted Unmodified Barrier Allowance | Construction Cost | (col 4: A/ ΣA) | (A/ ΣA x 0.5 x Const Cost) | (col 7 /col 3) |
| | \mathbf{a}_{i} | n _i | $A_i = a_i \times n$ | | | | |
| S27 | \$37,000 | 13 | \$481,000 | If the total in column 4 | N/A | N/A | N/A |
| S31 | \$41,000 | 2 | \$82,000 | is equal to or less than | N/A | N/A | N/A |
| S35 | \$37,000 | 35 | \$1,295,000 | than 50% of | N/A | N/A | N/A |
| S41 | \$33,000 | 7 | \$231,000 | construction cost | N/A | N/A | N/A |
| S47 | \$35,000 | 11 | \$385,000 | without abatement, | N/A | N/A | N/A |
| S20 | \$37,000 | 7 | \$259,000 | no adjustment is | N/A | N/A | N/A |
| S34 OPT | \$49,000 | 2 | \$98,000 | necessary, otherwise | N/A | N/A | N/A |
| S539 | \$37,000 | 1 | \$37,000 | continue to next | N/A | N/A | N/A |
| S541 | \$45,000 | 5 | \$225,000 | three columns. | N/A | N/A | N/A |
| S545 | \$57,000 | 24 | \$1,368,000 | | N/A | N/A | N/A |
| S551 | \$45,000 | 18 | \$810,000 | | N/A | N/A | N/A |
| S555 | \$55,000 | 4 | \$220,000 | | N/A | N/A | N/A |
| S557 | \$45,000 | 10 | \$450,000 | | N/A | N/A | N/A |
| S561 | \$41,000 | 6 | \$246,000 | | N/A | N/A | N/A |
| S563 | \$47,000 | 4 | \$188,000 | | N/A | N/A | N/A |
| S567 | \$49,000 | 13 | \$637,000 | | N/A | N/A | N/A |
| S569 | \$43,000 | 3 | \$129,000 | | N/A | N/A | N/A |
| S568 | \$41,000 | 10 | \$410,000 | | N/A | N/A | N/A |
| | Totals | 175 | \$7,551,000 | $\bigg\rangle \bigg\rangle$ | $\bigg / \bigg $ | $\bigg / \bigg /$ | $\bigg / \bigg /$ |



| Base Allowance | | | | $>\!\!<$ |
|---|---------------|-------------|-----------|-----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | $>\!\!<$ |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | Х | \$2,000 |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 1978 | 3? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Х | \$0 |
| Reasonable Allowance | for Benefite | d Residence | | \$37,000 |
| Unmo | dified Barrie | r Allowance | | \$407,000 |
| Adjusted Reasonable Allowance | for Benefite | d Residence | | |
| Adjusted Unmo | dified Barrie | r Allowance | | |

Country: SD
Route: 56
Mile Post: 0.0/2.5

ALT 3

| Barrier Name or ID | S27 |
|-------------------------------------|-------|
| Barrier Height (feet) | 14-16 |
| Critical Design Receiver | R6 |
| Number of benefited | |
| Residences | 11 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 63 |
| Future Noise Level (dBA) | 67 |
| Change in Noise Level (dB) | 4 |
| Noise Level with Abatement (dBA) | 61 |
| Barrier Insertion Loss (dB) | 6 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!<$ |
|--|------------------|-------------|-----------|----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | Х | \$4,000 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | > < |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | Х | \$4,000 |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 1 | 1978? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Х | \$0 |
| Reasonable Allowar | nce for Benefite | d Residence | | \$41,000 |
| Ur | modified Barrie | r Allowance | | \$82,000 |
| Adjusted Reasonable Allowar | nce for Benefite | d Residence | | |
| Adjusted Ur | modified Barrie | r Allowance | | |

Country: SD
Route: 56
Mile Post: 0.0/2.5
ALT 3

| Barrier Name or ID | S31 |
|-------------------------------------|-----|
| Barrier Height (feet) | 8 |
| Critical Design Receiver | R14 |
| Number of benefited | |
| Residences | 2 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 64 |
| Future Noise Level (dBA) | 70 |
| Change in Noise Level (dB) | 6 |
| Noise Level with Abatement (dBA) | 60 |
| Barrier Insertion Loss (dB) | 10 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|--------------|-------------|-----------|----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | Χ | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | $>\!\!<$ |
| Less than 6 dBA | Add | \$0 | Х | \$0 |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 1978? |) | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Х | \$0 |
| Reasonable Allowance for | r Benefite | d Residence | | \$33,000 |
| Unmodified Barrier Allowance | | | \$462,000 | |
| Adjusted Reasonable Allowance for | r Benefite | d Residence | | |
| Adjusted Unmod | ified Barrie | r Allowance | | |

Country: SD
Route: 56
Mile Post: 0.0/2.5

ALT 3

| Barrier Name or ID | S35 |
|-------------------------------------|-------|
| Barrier Height (feet) | 10-12 |
| Critical Design Receiver | R17 |
| Number of benefited | |
| Residences | 14 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 66 |
| Future Noise Level (dBA) | 67 |
| Change in Noise Level (dB) | 1 |
| Noise Level with Abatement (dBA) | 62 |
| Barrier Insertion Loss (dB) | 5 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | >> |
|---|-----------------|--------------|-----------|-----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | >> |
| Less than 3 dBA | Add | \$0 | Х | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | $>\!\!<$ |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | Х | \$2,000 |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 19 | 978? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Х | \$0 |
| Reasonable Allowan | ce for Benefite | d Residence | | \$35,000 |
| Uni | modified Barrie | er Allowance | | \$350,000 |
| Adjusted Reasonable Allowan | ce for Benefite | d Residence | | |
| | | | | - |

Country: SD
Route: 56
Mile Post: 0.0/2.5

ALT 3

Barrier Name or ID S47 Barrier Height (feet) 10-14 R32 Critical Design Receiver Number of benefited Residences 10 New Hwy Construction No Pre 1978 residences No Existing Noise Level (dBA) 67 Future Noise Level (dBA) 67 Change in Noise Level (dB) Noise Level with 61 Abatement (dBA) Barrier Insertion Loss (dB)

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|-------------------|--------------|-----------|-----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | 1 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | 1 |
| 2. "Build" vs Existing Noise Levels | | | check one | >> |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | 1 |
| 12 dBA or more | Add | \$6,000 | | 1 |
| 3. Achievable Noise Reduction | | | check one | $>\!\!<$ |
| Less than 6 dBA | Add | \$0 | X | \$0 |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | • |
| 4. Either New Construction or Pre-date | 1978? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | X | \$0 |
| Reasonable Allowa | ance for Benefite | d Residence | | \$35,000 |
| U | Inmodified Barrie | r Allowance | | \$245,000 |
| Adjusted Reasonable Allowa | ance for Benefite | d Residence | | |
| Adjusted U | Inmodified Barrie | er Allowance | | |

Country: SD
Route: 56
Mile Post: 0.0/2.5

ALT 3

| Barrier Name or ID | S20 |
|-----------------------------|-------|
| Barrier Height (feet) | 12-16 |
| Critical Design Receiver | R45 |
| Number of benefited | |
| Residences | 7 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 65 |
| Future Noise Level (dBA) | 69 |
| Change in Noise Level (dB) | 4 |
| Noise Level with | 64 |
| Abatement (dBA) | 04 |
| Barrier Insertion Loss (dB) | 5 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|------------------|-------------|-----------|----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | > < |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | X | \$4,000 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | > < |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | > < |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | Х | \$2,000 |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date | 1978? | | check one | > < |
| Yes on either one | Add | \$10,000 | Х | \$10,000 |
| No on both | Add | \$0 | | - |
| Reasonable Allowa | nce for Benefite | d Residence | | \$49,000 |
| Unmodified Barrier Allowance | | | \$49,000 | |
| Adjusted Reasonable Allowa | nce for Benefite | d Residence | | |
| Adjusted U | nmodified Barrie | r Allowance | | |

Country: SD
Route: 56
Mile Post: 0.0/2.5
ALT 3

| Barrier Name or ID | S34 |
|-------------------------------------|------|
| Barrier Height (feet) | 8-10 |
| Critical Design Receiver | R46 |
| Number of benefited | |
| Residences | 1 |
| New Hwy Construction | No |
| Pre 1978 residences | Yes |
| Existing Noise Level (dBA) | 66 |
| Future Noise Level (dBA) | 70 |
| Change in Noise Level (dB) | 4 |
| Noise Level with Abatement (dBA) | 64 |
| Barrier Insertion Loss (dB) | 6 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|---|-----|----------|-----------|----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | >> |
| 69 dBA or less | Add | \$2,000 | | = |
| 70-74 dBA | Add | \$4,000 | X | \$4,000 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels check one | | | | |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction c | | | | $>\!\!<$ |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | Х | \$4,000 |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 1978? | | | check one | > < |
| Yes on either one | Add | \$10,000 | Х | \$10,000 |
| No on both | Add | \$0 | | - |
| Reasonable Allowance for Benefited Residence | | | \$51,000 | |
| Unmodified Barrier Allowance | | | \$51,000 | |
| Adjusted Reasonable Allowance for Benefited Residence | | | | |
| Adjusted Unmodified Barrier Allowance | | | | |

Country: SD
Route: 56
Mile Post: 0.0/2.5

ALT 3

| Barrier Name or ID | S34 OPT |
|-------------------------------------|---------|
| Barrier Height (feet) | 12-14 |
| Critical Design Receiver | R46 |
| Number of benefited | |
| Residences | 1 |
| New Hwy Construction | No |
| Pre 1978 residences | Yes |
| Existing Noise Level (dBA) | 66 |
| Future Noise Level (dBA) | 70 |
| Change in Noise Level (dB) | 4 |
| Noise Level with Abatement (dBA) | 61 |
| Barrier Insertion Loss (dB) | 9 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | \nearrow |
|---|-----|----------|-----------|------------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | 1 |
| 75-78 dBA | Add | \$6,000 | | • |
| More than 78 dBA | Add | \$8,000 | | • |
| 2. "Build" vs Existing Noise Levels | | | check one | \nearrow |
| Less than 3 dBA | Add | \$0 | Х | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | • |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | \nearrow |
| Less than 6 dBA | Add | \$0 | X | \$0 |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | • |
| 4. Either New Construction or Pre-date 1978? | | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | Х | \$10,000 |
| No on both | Add | \$0 | | • |
| Reasonable Allowance for Benefited Residence | | | \$43,000 | |
| Unmodified Barrier Allowance | | | \$129,000 | |
| Adjusted Reasonable Allowance for Benefited Residence | | | | |
| Adjusted l | | | | |

Country: SD
Route: 5
Mile Post: 32.7/34.8
ALT 3

Barrier Name or ID S569 Barrier Height (feet) 8-14 R5.9A Critical Design Receiver Number of benefited Residences New Hwy Construction No Pre 1978 residences Yes Existing Noise Level (dBA) 67 Future Noise Level (dBA) 67 Change in Noise Level (dB) Noise Level with 62 Abatement (dBA) Barrier Insertion Loss (dB)

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|---------------|--------------|-----------|-----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | Х | \$6,000 |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | $>\!\!<$ |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | Х | \$6,000 |
| 4. Either New Construction or Pre-date 1978? | ? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Х | \$0 |
| Reasonable Allowance for Benefited Residence | | | \$45,000 | |
| Unmod | lified Barrie | er Allowance | | \$225,000 |
| Adjusted Reasonable Allowance for | or Renefite | d Residence | | • |
| Aujusteu Heasonable Allowance II | or benerate | a moonaonoo | | |

Country: SD Route: 5 Mile Post: 32.7/34.8

ALT 3

| Barrier Name or ID | S541 |
|-------------------------------------|------|
| Barrier Height (feet) | 8-14 |
| Critical Design Receiver | R4.4 |
| Number of benefited | |
| Residences | 5 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 70 |
| Future Noise Level (dBA) | 75 |
| Change in Noise Level (dB) | 5 |
| Noise Level with Abatement (dBA) | 63 |
| Barrier Insertion Loss (dB) | 12 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|---|---------------|-------------|-----------|------------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | Χ | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | \nearrow |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | Х | \$2,000 |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 1978 | ? | | check one | \searrow |
| Yes on either one | Add | \$10,000 | Χ | \$10,000 |
| No on both | Add | \$0 | | - |
| Reasonable Allowance | for Benefite | d Residence | | \$45,000 |
| Unmo | dified Barrie | r Allowance | | \$900,000 |
| Adjusted Reasonable Allowance | for Benefite | d Residence | | |
| Adjusted Unmo | dified Barrie | r Allowance | | _ |

Country: SD Route: 5 Mile Post: 32.7/34.8

ALT 3

Barrier Name or ID S551 Barrier Height (feet) 14-16 Critical Design Receiver R4.20A Number of benefited Residences 20 No New Hwy Construction Pre 1978 residences Yes Existing Noise Level (dBA) 68 Future Noise Level (dBA) 68 Change in Noise Level (dB) Noise Level with 62 Abatement (dBA) Barrier Insertion Loss (dB)

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | \bigvee |
|--|--|-----------------------------|------------|-----------------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | | 1 |
| More than 78 dBA | Add | \$8,000 | X | \$8,000 |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | X | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | 1 |
| 12 dBA or more | Add | \$6,000 | | 1 |
| 3. Achievable Noise Reduction | | check one | \nearrow | |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | Х | \$4,000 |
| 12 dBA or more | Add | \$6,000 | | • |
| 4. Either New Construction or Pre-date | 1978? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| | | | | * • |
| No on both | Add | \$0 | X | \$0 |
| No on both Reasonable Allows | | - | Х | \$0 \$43,000 |
| Reasonable Allowa | | d Residence | Х | |
| Reasonable Allowa | ance for Benefite Inmodified Barrie | d Residence er Allowance | X | \$43,000 |

Country: SD Route: 5 Mile Post: 32.7/34.8

ALT 3

Barrier Name or ID S557 Barrier Height (feet) 8-10 R4.23A Critical Design Receiver Number of benefited Residences 10 New Hwy Construction No Pre 1978 residences No 77 Existing Noise Level (dBA) Future Noise Level (dBA) 79 Change in Noise Level (dB) Noise Level with 69 Abatement (dBA) Barrier Insertion Loss (dB) 10

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|---|---------------|-----------------------------|-----------|-----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | Χ | \$6,000 |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | Χ | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | > < |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | Х | \$4,000 |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 1978 | 3? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Х | \$0 |
| | | | | \$41,000 |
| Reasonable Allowance | for Benefite | d Residence | | Ψ+1,000 |
| | | d Residence er Allowance | | \$246,000 |
| | dified Barrie | r Allowance | | |

Country: SD Route: 5 Mile Post: 32.7/34.8

ALT 3

| Barrier Name or ID | S561 |
|-------------------------------------|------|
| Barrier Height (feet) | 8 |
| Critical Design Receiver | R5.1 |
| Number of benefited | |
| Residences | 6 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 75 |
| Future Noise Level (dBA) | 75 |
| Change in Noise Level (dB) | 0 |
| Noise Level with Abatement (dBA) | 64 |
| Barrier Insertion Loss (dB) | 11 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|---------------|--------------|-----------|------------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | \nearrow |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | Х | \$2,000 |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 1978? | | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | Χ | \$10,000 |
| No on both | Add | \$0 | | - |
| Reasonable Allowance for Be | nefite | d Residence | | \$47,000 |
| Unmodified | Barrie | er Allowance | | \$188,000 |
| Advanta d Danas and the Allegan and Compa | ٠., | d Dooidonee | | |
| Adjusted Reasonable Allowance for Be | <u>netite</u> | a nesidence | | |

Country: SD Route: 5 Mile Post: 32.7/34.8

ALT 3

| Barrier Name or ID | S563 |
|-------------------------------------|-------|
| Barrier Height (feet) | 8 |
| Critical Design Receiver | R5.5A |
| Number of benefited | |
| Residences | 4 |
| New Hwy Construction | No |
| Pre 1978 residences | Yes |
| Existing Noise Level (dBA) | 63 |
| Future Noise Level (dBA) | 68 |
| Change in Noise Level (dB) | 5 |
| Noise Level with Abatement (dBA) | 61 |
| Barrier Insertion Loss (dB) | 7 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|---|---------------|-------------|-----------|-----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | Х | \$4,000 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | Χ | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | $>\!\!<$ |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | Х | \$4,000 |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 1978 | 3? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | Χ | \$10,000 |
| No on both | Add | \$0 | | - |
| Reasonable Allowance | for Benefite | d Residence | | \$49,000 |
| Unmo | dified Barrie | r Allowance | | \$637,000 |
| | | | | |
| Adjusted Reasonable Allowance | for Benefite | d Residence | | |

Country: SD
Route: 5
Mile Post: 32.7/34.8

ALT 3

| Barrier Name or ID | S567 |
|-------------------------------------|------|
| Barrier Height (feet) | 8 |
| Critical Design Receiver | R5.7 |
| Number of benefited | |
| Residences | 13 |
| New Hwy Construction | No |
| Pre 1978 residences | Yes |
| Existing Noise Level (dBA) | 72 |
| Future Noise Level (dBA) | 73 |
| Change in Noise Level (dB) | 1 |
| Noise Level with Abatement (dBA) | 63 |
| Barrier Insertion Loss (dB) | 10 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | \nearrow |
|--|-------------------|--------------|-----------|------------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | 1 |
| 75-78 dBA | Add | \$6,000 | | • |
| More than 78 dBA | Add | \$8,000 | | • |
| 2. "Build" vs Existing Noise Levels | | | check one | \nearrow |
| Less than 3 dBA | Add | \$0 | Х | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | • |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | \nearrow |
| Less than 6 dBA | Add | \$0 | X | \$0 |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | • |
| 4. Either New Construction or Pre-date | 1978? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | X | \$10,000 |
| No on both | Add | \$0 | | • |
| Reasonable Allowance for Benefited Residence | | | \$43,000 | |
| | Jnmodified Barrie | r Allowance | | \$129,000 |
| Adjusted Reasonable Allow | ance for Benefite | d Residence | | |
| Adjusted l | Jnmodified Barrie | er Allowance | | |

Country: SD
Route: 5
Mile Post: 32.7/34.8
ALT 3

Barrier Name or ID S569 Barrier Height (feet) 8-14 R5.9A Critical Design Receiver Number of benefited Residences New Hwy Construction No Pre 1978 residences Yes Existing Noise Level (dBA) 67 Future Noise Level (dBA) 67 Change in Noise Level (dB) Noise Level with 62 Abatement (dBA) Barrier Insertion Loss (dB)

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|-------------------|-------------|-----------|-----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | 1 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | 1 |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | Χ | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | 1 |
| 12 dBA or more | Add | \$6,000 | | 1 |
| 3. Achievable Noise Reduction | | | check one | $>\!\!<$ |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | Х | \$4,000 |
| 12 dBA or more | Add | \$6,000 | | • |
| 4. Either New Construction or Pre-date | 1978? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Χ | \$0 |
| Reasonable Allow | ance for Benefite | d Residence | | \$37,000 |
| | Jnmodified Barrie | r Allowance | | \$333,000 |
| Adjusted Reasonable Allow | ance for Benefite | d Residence | | |
| Adjusted l | Jnmodified Barrie | r Allowance | | |

Country: SD Route: 5 Mile Post: 32.7/34.8

ALT 3

Barrier Name or ID S568 Barrier Height (feet) R5.23 Critical Design Receiver Number of benefited Residences New Hwy Construction No Pre 1978 residences No Existing Noise Level (dBA) 69 Future Noise Level (dBA) 69 Change in Noise Level (dB) Noise Level with 58 Abatement (dBA) Barrier Insertion Loss (dB) 11

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

County: San Diego Route: I-5/SR56 Mile Post: MP 32.7/34.8 / 0.0/2.5 Program Code: Alternative 3

Project Exp Auth: 11-177900

Construction cost without abatement: \$86,000,000

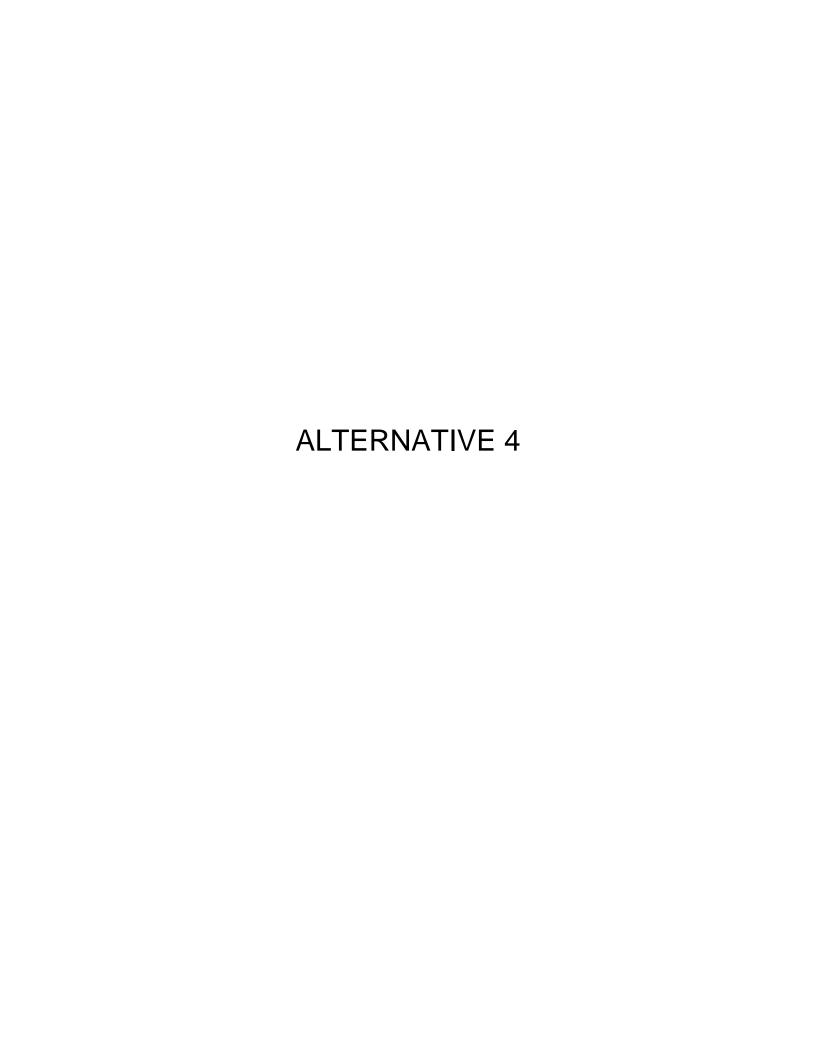
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|------------|--|--|---|----------------------------------|----------------|----------------------------------|--|
| | From Worksheet A | | | Adjusted Barrier Allowance vs | | Modified Barrier Allowance | Modified Allowance per Benefited Residence |
| Barrier ID | Adjusted Allowance for Critical Design Receiver a _i | Number of Benefited Residences n _i | Adjusted Unmodified Barrier Allowance A _i = a _i x n | Construction Cost | (col 4: A/ ΣA) | (A/ ΣA x 0.5 x Const Cost) | (col 7 /col 3) |
| S27 | \$37,000 | 11 | \$407,000 | If the total in column 4 | N/A | N/A | N/A |
| S31 | \$41,000 | 2 | \$82,000 | is equal to or less than | N/A | N/A | N/A |
| S35 | \$33,000 | 14 | \$462,000 | than 50% of | N/A | N/A | N/A |
| S47 | \$35,000 | 10 | \$350,000 | construction cost | N/A | N/A | N/A |
| S20 | \$35,000 | 7 | \$245,000 | without abatement, | N/A | N/A | N/A |
| S34 | \$49,000 | 1 | \$49,000 | no adjustment is | N/A | N/A | N/A |
| S539 | \$39,000 | 1 | \$39,000 | necessary, otherwise | N/A | N/A | N/A |
| S541 | \$45,000 | 5 | \$225,000 | continue to next | N/A | N/A | N/A |
| S551 | \$45,000 | 20 | \$900,000 | three columns. | N/A | N/A | N/A |
| S557 | \$43,000 | 10 | \$430,000 | 1 | N/A | N/A | N/A |
| S561 | \$41,000 | 6 | \$246,000 | 1 | N/A | N/A | N/A |
| S563 | \$47,000 | 4 | \$188,000 | | N/A | N/A | N/A |
| S567 | \$49,000 | 13 | \$637,000 | 1 | N/A | N/A | N/A |
| S569 | \$43,000 | 3 | \$129,000 | 1 | N/A | N/A | N/A |
| S568 | \$37,000 | 9 | \$333,000 | 1 | N/A | N/A | N/A |
| \bigvee | Totals | 116 | \$4,722,000 | | | \bigvee | $\bigvee \!$ |

County: San Diego Route: I-5/SR56 Mile Post: MP 32.7/34.8 / 0.0/2.5 Program Code: Alternative 3

Project Exp Auth: 11-177900 S34 Option

Construction cost without abatement: \$86,000,000

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|------------|--|--|---|----------------------------------|---|----------------------------------|---|
| | From Wo | rksheet A | | Adjusted Barrier Allowance vs | Percentage of Total Barrier Allowance | Modified Barrier Allowance | Modified Allowance per Benefited Residence |
| Barrier ID | Adjusted Allowance for Critical Design Receiver a _i | Number of Benefited Residences n _i | Adjusted Unmodified Barrier Allowance A _i = a _i x n | Construction Cost | (col 4: A/ ΣA) | (A/ ΣA x 0.5 x Const Cost) | (col 7 /col 3) |
| S27 | \$37,000 | 11 | \$407,000 | If the total in column 4 | N/A | N/A | N/A |
| S31 | \$41,000 | 2 | \$82,000 | is equal to or less than | N/A | N/A | N/A |
| S35 | \$33,000 | 14 | \$462,000 | than 50% of | N/A | N/A | N/A |
| S47 | \$35,000 | 10 | \$350,000 | construction cost | N/A | N/A | N/A |
| S20 | \$35,000 | 7 | \$245,000 | without abatement, | N/A | N/A | N/A |
| S34 OPT | \$51,000 | 1 | \$51,000 | no adjustment is | N/A | N/A | N/A |
| S539 | \$39,000 | 1 | \$39,000 | necessary, otherwise | N/A | N/A | N/A |
| S541 | \$45,000 | 5 | \$225,000 | continue to next | N/A | N/A | N/A |
| S551 | \$45,000 | 20 | \$900,000 | three columns. | N/A | N/A | N/A |
| S557 | \$43,000 | 10 | \$430,000 | | N/A | N/A | N/A |
| S561 | \$41,000 | 6 | \$246,000 | | N/A | N/A | N/A |
| S563 | \$47,000 | 4 | \$188,000 | | N/A | N/A | N/A |
| S567 | \$49,000 | 13 | \$637,000 | | N/A | N/A | N/A |
| S569 | \$43,000 | 3 | \$129,000 | | N/A | N/A | N/A |
| S568 | \$37,000 | 9 | \$333,000 | | N/A | N/A | N/A |
| \bigvee | Totals | 116 | \$4,724,000 | | | \searrow | $\bigg / \bigg /$ |



| Base Allowance | | | | $>\!\!<$ |
|---|-------------------|-------------|-----------|-----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | > < |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | > < |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | Х | \$2,000 |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date | 1978? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Х | \$0 |
| Reasonable Allowance for Benefited Residence | | | | \$37,000 |
| Unmodified Barrier Allowance | | | | \$407,000 |
| Adjusted Reasonable Allowance for Benefited Residence | | | | |
| Adjusted U | Jnmodified Barrie | r Allowance | | |

Country: SD
Route: 56
Mile Post: 0.0/2.5
ALT 4

| Barrier Name or ID | S27 |
|-------------------------------------|-------|
| Barrier Height (feet) | 12-16 |
| Critical Design Receiver | R9 |
| Number of benefited | |
| Residences | 11 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 62 |
| Future Noise Level (dBA) | 66 |
| Change in Noise Level (dB) | 4 |
| Noise Level with Abatement (dBA) | 60 |
| Barrier Insertion Loss (dB) | 6 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|---|------------------|--------------|-----------|----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | > < |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | Х | \$4,000 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | > < |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | > < |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | Х | \$4,000 |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date | 1978? | | check one | > < |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Х | \$0 |
| Reasonable Allowance for Benefited Residence | | | | \$41,000 |
| Unmodified Barrier Allowance | | | | \$82,000 |
| Adjusted Reasonable Allowance for Benefited Residence | | | | |
| Adjusted Ur | nmodified Barrie | er Allowance | | |

Country: SD
Route: 56
Mile Post: 0.0/2.5
ALT 4

| Barrier Name or ID | S31 |
|-------------------------------------|-----|
| Barrier Height (feet) | 8 |
| Critical Design Receiver | R14 |
| Number of benefited | |
| Residences | 2 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 64 |
| Future Noise Level (dBA) | 71 |
| Change in Noise Level (dB) | 7 |
| Noise Level with Abatement (dBA) | 61 |
| Barrier Insertion Loss (dB) | 10 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|---|-----------------|-------------|-----------|-------------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | 1 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | • |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | Χ | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | 1 |
| 12 dBA or more | Add | \$6,000 | | 1 |
| 3. Achievable Noise Reduction | | | check one | $>\!\!<$ |
| Less than 6 dBA | Add | \$0 | Х | \$0 |
| 6-8 dBA | Add | \$2,000 | | 1 |
| 9-11 dBA | Add | \$4,000 | | 1 |
| 12 dBA or more | Add | \$6,000 | | • |
| 4. Either New Construction or Pre-date 1 | 978? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Χ | \$0 |
| Reasonable Allowance for Benefited Residence | | | | \$33,000 |
| Unmodified Barrier Allowance | | | | \$1,023,000 |
| Adjusted Reasonable Allowance for Benefited Residence | | | | |
| Adjusted Un | modified Barrie | r Allowance | | |

| Country: | SD |
|------------|---------|
| Route: | 56 |
| Mile Post: | 0.0/2.5 |
| | ALT 4 |

| Barrier Name or ID | S35 |
|-------------------------------------|------|
| Barrier Height (feet) | 8-12 |
| Critical Design Receiver | R17 |
| Number of benefited | |
| Residences | 31 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 66 |
| Future Noise Level (dBA) | 67 |
| Change in Noise Level (dB) | 1 |
| Noise Level with Abatement (dBA) | 62 |
| Barrier Insertion Loss (dB) | 5 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|---|-------------|-------------|-----------|-----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | >> |
| Less than 3 dBA | Add | \$0 | Х | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | $>\!\!<$ |
| Less than 6 dBA | Add | \$0 | Х | \$0 |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 1978? | | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Х | \$0 |
| Reasonable Allowance for Benefited Residence | | | | \$33,000 |
| Unmodified Barrier Allowance | | | | \$132,000 |
| Adjusted Reasonable Allowance for Benefited Residence | | | | |
| Adjusted Unmodi | fied Barrie | r Allowance | | |

Country: SD
Route: 56
Mile Post: 0.0/2.5
ALT 4

| Barrier Name or ID | S41 |
|-------------------------------------|------|
| Barrier Height (feet) | 12 |
| Critical Design Receiver | R30A |
| Number of benefited | |
| Residences | 4 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 64 |
| Future Noise Level (dBA) | 66 |
| Change in Noise Level (dB) | 2 |
| Noise Level with Abatement (dBA) | 61 |
| Barrier Insertion Loss (dB) | 5 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|-------------------|-------------|-----------|----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | >> |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | Х | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | check one | $>\!\!<$ | |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | Х | \$2,000 |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date | e 1978? | | check one | > < |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Х | \$0 |
| Reasonable Allowance for Benefited Residence | | | \$35,000 | |
| Unmodified Barrier Allowance | | | \$350,000 | |
| Adjusted Reasonable Allow | ance for Benefite | d Residence | | |
| Adjusted | Unmodified Barrie | r Allowance | | |

Country: SD
Route: 56
Mile Post: 0.0/2.5
ALT 4

| Barrier Name or ID | S47 |
|-------------------------------------|-------|
| Barrier Height (feet) | 12-14 |
| Critical Design Receiver | R32 |
| Number of benefited | |
| Residences | 10 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 67 |
| Future Noise Level (dBA) | 67 |
| Change in Noise Level (dB) | 0 |
| Noise Level with Abatement (dBA) | 61 |
| Barrier Insertion Loss (dB) | 6 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|-------------------|-------------|-----------|----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | >> |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | check one | $>\!\!<$ | |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | Х | \$2,000 |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date | 1978? | | check one | > < |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Χ | \$0 |
| Reasonable Allowance for Benefited Residence | | | \$37,000 | |
| Unmodified Barrier Allowance | | | \$259,000 | |
| Adjusted Reasonable Allowa | ance for Benefite | d Residence | | |
| Adjusted U | Inmodified Barrie | r Allowance | | |

Country: SD
Route: 56
Mile Post: 0.0/2.5
ALT 4

| Barrier Name or ID | S20 |
|-------------------------------------|-------|
| Barrier Height (feet) | 12-16 |
| Critical Design Receiver | R44 |
| Number of benefited | |
| Residences | 7 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 65 |
| Future Noise Level (dBA) | 69 |
| Change in Noise Level (dB) | 4 |
| Noise Level with Abatement (dBA) | 63 |
| Barrier Insertion Loss (dB) | 6 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | \searrow |
|--|----------|--------------|-----------|------------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | \searrow |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | Χ | \$4,000 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | >> |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | X | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | $>\!\!<$ |
| Less than 6 dBA | Add | \$0 | Х | \$0 |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 1978? | | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | Х | \$10,000 |
| No on both | Add | \$0 | | - |
| Reasonable Allowance for Benefited Residence | | | \$47,000 | |
| Unmodified Barrier Allowance | | | \$47,000 | |
| Adjusted Reasonable Allowance for B | enefite | d Residence | | |
| Adjusted Unmodified | d Barrie | er Allowance | | |

Country: SD
Route: 56
Mile Post: 0.0/2.5
ALT 4

| Barrier Name or ID | S34 |
|----------------------------------|------|
| Barrier Height (feet) | 8-10 |
| Critical Design Receiver | R46 |
| Number of benefited | |
| Residences | 1 |
| New Hwy Construction | No |
| Pre 1978 residences | Yes |
| Existing Noise Level (dBA) | 66 |
| Future Noise Level (dBA) | 70 |
| Change in Noise Level (dB) | 4 |
| Noise Level with Abatement (dBA) | 65 |
| Abatement (ubA) | |
| Barrier Insertion Loss (dB) | 5 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|---------|-------------|-----------|----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | Χ | \$4,000 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | $>\!\!<$ |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | Х | \$2,000 |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 1978? | | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | X | \$10,000 |
| No on both | Add | \$0 | | - |
| Reasonable Allowance for Benefited Residence | | | \$49,000 | |
| Unmodified Barrier Allowance | | _ | \$49,000 | |
| Simoun | | | | |
| Adjusted Reasonable Allowance for | | d Residence | | |

| Country: | SD |
|------------|---------|
| Route: | 56 |
| Mile Post: | 0.0/2.5 |

ALT 4

| Barrier Name or ID | S34 OPT |
|-------------------------------------|---------|
| Barrier Height (feet) | 12-14 |
| Critical Design Receiver | R46 |
| Number of benefited | |
| Residences | 1 |
| New Hwy Construction | No |
| Pre 1978 residences | Yes |
| Existing Noise Level (dBA) | 66 |
| Future Noise Level (dBA) | 70 |
| Change in Noise Level (dB) | 4 |
| Noise Level with Abatement (dBA) | 62 |
| Barrier Insertion Loss (dB) | 8 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|---------------------|--------------|-------------|----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | X | \$4,000 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | Χ | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | check one | >> | |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | Х | \$2,000 |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 1978? | | check one | $>\!\!<$ | |
| Yes on either one | Add | \$10,000 | X | \$10,000 |
| No on both | Add | \$0 | | 1 |
| Reasonable Allowance for Benefited Residence | | | \$47,000 | |
| Unmodified Barrier Allowance | | | \$1,081,000 | |
| Adjusted Reasonable Allo | wance for Benefite | d Residence | | |
| Adjusted | d Unmodified Barrie | er Allowance | | |

Country: SD
Route: 5
Mile Post: 32.7/34.8

ALT 4

| Barrier Name or ID | S551 |
|-------------------------------------|-------|
| Barrier Height (feet) | 14-16 |
| Critical Design Receiver | R4.12 |
| Number of benefited | |
| Residences | 23 |
| New Hwy Construction | No |
| Pre 1978 residences | Yes |
| Existing Noise Level (dBA) | 72 |
| Future Noise Level (dBA) | 70 |
| Change in Noise Level (dB) | -2 |
| Noise Level with Abatement (dBA) | 64 |
| Barrier Insertion Loss (dB) | 6 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|---------------|-------------|-----------|----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | Х | \$6,000 |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | $>\!\!<$ |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | Х | \$6,000 |
| 4. Either New Construction or Pre-date 1978? | | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Х | \$0 |
| Reasonable Allowance for Benefited Residence | | | \$45,000 | |
| Unmodified Barrier Allowance | | | \$225,000 | |
| Adjusted Reasonable Allowance f | or Benefite | d Residence | | |
| Adjusted Unmod | lified Barrie | r Allowance | | |

Country: SD Route: 5 Mile Post: 32.7/34.8

ALT 4

Barrier Name or ID S541 Barrier Height (feet) 8-14 R4.4 Critical Design Receiver Number of benefited Residences New Hwy Construction No Pre 1978 residences No Existing Noise Level (dBA) 70 Future Noise Level (dBA) 75 Change in Noise Level (dB) Noise Level with 63 Abatement (dBA) Barrier Insertion Loss (dB) 12

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|---------------------|--------------|-----------|-------------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | X | \$4,000 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | Χ | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | >> |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | Х | \$2,000 |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-da | te 1978? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | X | \$10,000 |
| No on both | Add | \$0 | | 1 |
| Reasonable Allowance for Benefited Residence | | | \$47,000 | |
| | Unmodified Barrie | r Allowance | | \$1,081,000 |
| Adjusted Reasonable Allo | wance for Benefite | d Residence | | |
| Adjusted | d Unmodified Barrie | er Allowance | | |

Country: SD
Route: 5
Mile Post: 32.7/34.8

ALT 4

| Barrier Name or ID | S551 |
|-------------------------------------|-------|
| Barrier Height (feet) | 14-16 |
| Critical Design Receiver | R4.12 |
| Number of benefited | |
| Residences | 23 |
| New Hwy Construction | No |
| Pre 1978 residences | Yes |
| Existing Noise Level (dBA) | 72 |
| Future Noise Level (dBA) | 70 |
| Change in Noise Level (dB) | -2 |
| Noise Level with Abatement (dBA) | 64 |
| Barrier Insertion Loss (dB) | 6 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|--|-----------------------------|-----------|-----------------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | X | \$8,000 |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | X | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | check one | $>\!\!<$ | |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | Х | \$4,000 |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date | 1978? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| | | | | |
| No on both | Add | \$0 | X | \$0 |
| No on both Reasonable Allowa | | - | Х | \$0 \$43,000 |
| Reasonable Allowa | | d Residence | X | |
| Reasonable Allowa | ance for Benefite Inmodified Barrie | d Residence er Allowance | X | \$43,000 |

Country: SD
Route: 5
Mile Post: 32.7/34.8
ALT 4

S557

69

10

Barrier Height (feet) 8-10
Critical Design Receiver R4.23A
Number of benefited
Residences 10
New Hwy Construction No
Pre 1978 residences No
Existing Noise Level (dBA) 77
Future Noise Level (dBA) 79

Barrier Name or ID

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

Continue to Worksheet B

Change in Noise Level (dB)

Barrier Insertion Loss (dB)

Noise Level with

Abatement (dBA)

| Base Allowance | | | | $>\!\!<$ |
|--|-------------------|--------------|-----------|-----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | > < |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | Х | \$6,000 |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | Χ | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | check one | > < | |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | Х | \$4,000 |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date | 1978? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | X | \$0 |
| Reasonable Allowa | ance for Benefite | d Residence | | \$41,000 |
| | | | • | Φ0.40.000 |
| U | Inmodified Barrie | er Allowance | | \$246,000 |
| Adjusted Reasonable Allowa | | | | \$246,000 |

Country: SD
Route: 5
Mile Post: 32.7/34.8
ALT 4

| Barrier Name or ID | S561 |
|-------------------------------------|------|
| Barrier Height (feet) | 8 |
| Critical Design Receiver | R5.1 |
| Number of benefited | |
| Residences | 6 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 75 |
| Future Noise Level (dBA) | 75 |
| Change in Noise Level (dB) | 0 |
| Noise Level with Abatement (dBA) | 64 |
| Barrier Insertion Loss (dB) | 11 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|-------------------|--------------|-----------|------------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | 1 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | 1 |
| 2. "Build" vs Existing Noise Levels | | | check one | \nearrow |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | 1 |
| 12 dBA or more | Add | \$6,000 | | 1 |
| 3. Achievable Noise Reduction | | check one | $>\!\!<$ | |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | Х | \$2,000 |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | • |
| 4. Either New Construction or Pre-date | 1978? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | X | \$10,000 |
| No on both | Add | \$0 | | • |
| Reasonable Allowance for Benefited Residence | | | \$47,000 | |
| | Jnmodified Barrie | er Allowance | | \$188,000 |
| Adjusted Reasonable Allows | ance for Benefite | d Residence | | |
| Adjusted l | Jnmodified Barrie | er Allowance | | |

Country: SD
Route: 5
Mile Post: 32.7/34.8
ALT 4

| Barrier Name or ID | S563 |
|-------------------------------------|-------|
| Barrier Height (feet) | 8 |
| Critical Design Receiver | R5.5A |
| Number of benefited | |
| Residences | 4 |
| New Hwy Construction | No |
| Pre 1978 residences | Yes |
| Existing Noise Level (dBA) | 63 |
| Future Noise Level (dBA) | 69 |
| Change in Noise Level (dB) | 6 |
| Noise Level with Abatement (dBA) | 61 |
| Barrier Insertion Loss (dB) | 8 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|---------------|-------------|-----------|-----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | Х | \$4,000 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | >> |
| Less than 3 dBA | Add | \$0 | Χ | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | $>\!\!<$ |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | Х | \$4,000 |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 1978? | | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | Χ | \$10,000 |
| No on both | Add | \$0 | | - |
| Reasonable Allowance for | Benefite | d Residence | | \$49,000 |
| Unmodifi | ied Barrie | r Allowance | | \$637,000 |
| Adjusted Reasonable Allowance for | Benefite | d Residence | | |
| Adjusted Unmodifi | la al Dannila | * Allowanaa | | |

Country: SD Route: 5 Mile Post: 32.7/34.8

ALT 4

| Barrier Name or ID | S567 |
|-------------------------------------|------|
| Barrier Height (feet) | 8 |
| Critical Design Receiver | R5.7 |
| Number of benefited | |
| Residences | 13 |
| New Hwy Construction | No |
| Pre 1978 residences | Yes |
| Existing Noise Level (dBA) | 72 |
| Future Noise Level (dBA) | 74 |
| Change in Noise Level (dB) | 2 |
| Noise Level with Abatement (dBA) | 63 |
| Barrier Insertion Loss (dB) | 11 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|-------------------|--------------|------------|------------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | 1 |
| 75-78 dBA | Add | \$6,000 | | • |
| More than 78 dBA | Add | \$8,000 | | 1 |
| 2. "Build" vs Existing Noise Levels | | | check one | \nearrow |
| Less than 3 dBA | Add | \$0 | Х | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | • |
| 12 dBA or more | Add | \$6,000 | | • |
| 3. Achievable Noise Reduction | | check one | \nearrow | |
| Less than 6 dBA | Add | \$0 | X | \$0 |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date | 1978? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | Х | \$10,000 |
| No on both | Add | \$0 | | - |
| Reasonable Allowance for Benefited Residence | | | \$43,000 | |
| U | Inmodified Barrie | r Allowance | | \$129,000 |
| Adjusted Reasonable Allowa | ance for Benefite | d Residence | | |
| Adjusted U | Inmodified Barrie | er Allowance | | |

Country: SD
Route: 5
Mile Post: 32.7/34.8

ALT 4

| Barrier Name or ID | S569 |
|-------------------------------------|-------|
| Barrier Height (feet) | 8-14 |
| Critical Design Receiver | R5.9A |
| Number of benefited | |
| Residences | 3 |
| New Hwy Construction | No |
| Pre 1978 residences | Yes |
| Existing Noise Level (dBA) | 67 |
| Future Noise Level (dBA) | 67 |
| Change in Noise Level (dB) | 0 |
| Noise Level with Abatement (dBA) | 62 |
| Barrier Insertion Loss (dB) | 5 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|-------------------|-------------|-----------|-----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | >> |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | Χ | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | $>\!\!<$ |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | Х | \$4,000 |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date | e 1978? | | check one | > < |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Χ | \$0 |
| Reasonable Allowance for Benefited Residence | | | \$37,000 | |
| | Unmodified Barrie | r Allowance | | \$333,000 |
| Adjusted Reasonable Allow | ance for Benefite | d Residence | | |
| Adjusted | Unmodified Barrie | r Allowance | | |

Country: SD
Route: 5
Mile Post: 32.7/34.8
ALT 4

| Barrier Name or ID | S568 |
|-------------------------------------|-------|
| Barrier Height (feet) | 8 |
| Critical Design Receiver | R5.23 |
| Number of benefited | |
| Residences | 9 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 69 |
| Future Noise Level (dBA) | 69 |
| Change in Noise Level (dB) | 0 |
| Noise Level with Abatement (dBA) | 58 |
| Barrier Insertion Loss (dB) | 11 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

County: San Diego Route: I-5/SR56 Mile Post: MP 32.7/34.8 / 0.0/2.5 Program Code: Alternative 4

Project Exp Auth: 11-177900

Construction cost without abatement: \$86,000,000

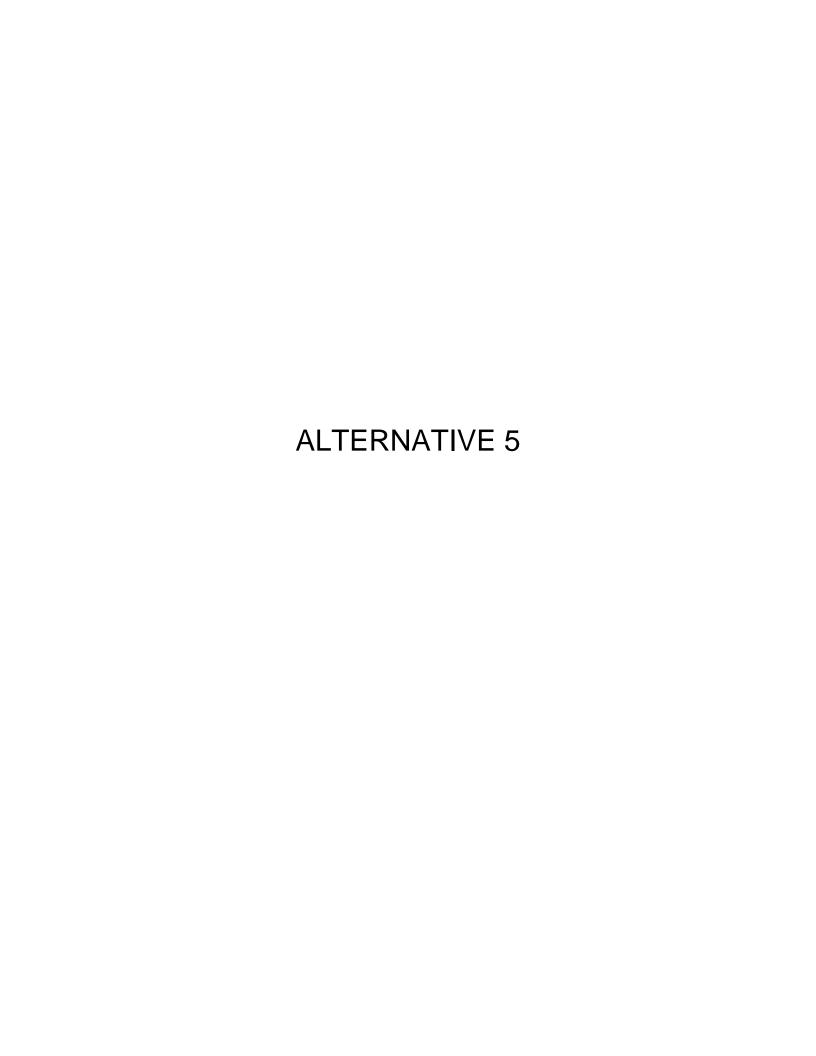
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|------------|--|--|---|----------------------------------|---|----------------------------------|---|
| | From Wo | rksheet A | | Adjusted Barrier Allowance vs | Percentage of Total Barrier Allowance | Modified Barrier Allowance | Modified Allowance per Benefited Residence |
| Barrier ID | Adjusted Allowance for Critical Design Receiver a _i | Number of Benefited Residences n _i | Adjusted Unmodified Barrier Allowance A _i = a _i x n | Construction Cost | (col 4: A/ ΣA) | (A/ ΣA x 0.5 x Const Cost) | (col 7 /col 3) |
| S27 | \$37,000 | 11 | \$407,000 | If the total in column 4 | N/A | N/A | N/A |
| S31 | \$41,000 | 2 | \$82,000 | is equal to or less than | N/A | N/A | N/A |
| S35 | \$33,000 | 31 | \$1,023,000 | than 50% of | N/A | N/A | N/A |
| S41 | \$33,000 | 4 | \$132,000 | construction cost | N/A | N/A | N/A |
| S47 | \$35,000 | 10 | \$350,000 | without abatement, | N/A | N/A | N/A |
| S20 | \$37,000 | 7 | \$259,000 | no adjustment is | N/A | N/A | N/A |
| S34 | \$47,000 | 1 | \$47,000 | necessary, otherwise | N/A | N/A | N/A |
| S539 | \$37,000 | 1 | \$37,000 | continue to next | N/A | N/A | N/A |
| S541 | \$45,000 | 5 | \$225,000 | three columns. | N/A | N/A | N/A |
| S551 | \$47,000 | 23 | \$1,081,000 | | N/A | N/A | N/A |
| S557 | \$43,000 | 10 | \$430,000 | | N/A | N/A | N/A |
| S561 | \$41,000 | 6 | \$246,000 | | N/A | N/A | N/A |
| S563 | \$47,000 | 4 | \$188,000 | | N/A | N/A | N/A |
| S567 | \$49,000 | 13 | \$637,000 | | N/A | N/A | N/A |
| S569 | \$43,000 | 3 | \$129,000 | | N/A | N/A | N/A |
| S568 | \$37,000 | 9 | \$333,000 | | N/A | N/A | N/A |
| | Totals | 140 | \$5,606,000 | | | | |

County: San Diego Route: I-5/SR56 Mile Post: MP 32.7/34.8 / 0.0/2.5 Program Code: Alternative 4

Project Exp Auth: 11-177900 S34 Option

Construction cost without abatement: \$86,000,000

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|------------|---|--------------------------------------|---------------------------------------|---|---|----------------------------------|---|
| | From Wo | rksheet A | | Adjusted Barrier Allowance vs | Percentage of Total Barrier Allowance | Modified Barrier Allowance | Modified Allowance per Benefited Residence |
| Barrier ID | Adjusted Allowance for Critical Design Receiver | Number of Benefited Residences | Adjusted Unmodified Barrier Allowance | Construction Cost | (col 4: A/ ΣA) | (A/ ΣA x 0.5 x Const Cost) | (col 7 /col 3) |
| S27 | \$37,000 | n _i 11 | $A_i = a_i \times n$ \$407,000 | If the state is a selection of | N/A | N/A | N/A |
| S31 | \$41,000 | 2 | \$82,000 | If the total in column 4 | N/A | N/A | N/A |
| S35 | \$33,000 | 31 | \$1,023,000 | is equal to or less than than 50% of | N/A | N/A | N/A |
| S41 | \$33,000 | 4 | \$132,000 | 1 | N/A | N/A | N/A |
| S47 | \$35,000 | 10 | \$350,000 | construction cost | N/A | N/A | N/A |
| S20 | \$37,000 | 7 | \$259,000 | without abatement, | N/A | N/A | N/A |
| S34 OPT | \$49,000 | 1 | \$49,000 | no adjustment is | N/A | N/A | N/A |
| S539 | \$37,000 | 1 | \$37,000 | necessary, otherwise | N/A | N/A | N/A |
| S541 | \$45,000 | 5 | \$225,000 | continue to next | N/A | N/A | N/A |
| S551 | \$47,000 | 23 | \$1,081,000 | three columns. | N/A | N/A | N/A |
| S557 | \$43,000 | 10 | \$430,000 | | N/A | N/A | N/A |
| S561 | \$41,000 | 6 | \$246,000 | | N/A | N/A | N/A |
| S563 | \$47,000 | 4 | \$188,000 | | N/A | N/A | N/A |
| S567 | \$47,000 | 13 | \$637,000 | - | N/A | N/A | N/A |
| S569 | · , , | 3 | · | - | N/A | N/A | N/A |
| S568 | \$43,000 | 9 | \$129,000 | - | N/A N/A | N/A N/A | N/A N/A |
| 3500 | \$37,000 | | \$333,000 | | IN/A | IN/A | IN/A |
| | Totals | 140 | \$5,608,000 | | | | |



| Base Allowance | | | | $>\!\!<$ |
|--|----------------|-------------|-----------|----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | $>\!\!<$ |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | Х | \$2,000 |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 197 | 8? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Х | \$0 |
| Reasonable Allowance for Benefited Residence | | | | \$37,000 |
| Unmodified Barrier Allowance | | | \$481,000 | |
| Adjusted Reasonable Allowance | for Benefite | d Residence | | |
| Adjusted Unmo | odified Barrie | r Allowance | | |

Country: SD
Route: 56
Mile Post: 0.0/2.5

ALT 5

| Barrier Name or ID | S27 |
|-------------------------------------|-------|
| Barrier Height (feet) | 14-16 |
| Critical Design Receiver | R6A |
| Number of benefited | |
| Residences | 13 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 64 |
| Future Noise Level (dBA) | 69 |
| Change in Noise Level (dB) | 5 |
| Noise Level with Abatement (dBA) | 63 |
| Barrier Insertion Loss (dB) | 6 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|------------------|--------------|-----------|----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | > < |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | X | \$4,000 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | > < |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | > < |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | Х | \$4,000 |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date | 1978? | | check one | > < |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Х | \$0 |
| Reasonable Allowance for Benefited Residence | | | | \$41,000 |
| Unmodified Barrier Allowance | | | \$82,000 | |
| Adjusted Reasonable Allowa | nce for Benefite | d Residence | | |
| Adjusted Ur | nmodified Barrie | er Allowance | | |

Country: SD
Route: 56
Mile Post: 0.0/2.5
ALT 5

| Barrier Name or ID | S31 |
|-------------------------------------|-----|
| Barrier Height (feet) | 8 |
| Critical Design Receiver | R14 |
| Number of benefited | |
| Residences | 2 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 64 |
| Future Noise Level (dBA) | 71 |
| Change in Noise Level (dB) | 7 |
| Noise Level with Abatement (dBA) | 62 |
| Barrier Insertion Loss (dB) | 9 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | \bigvee |
|--|---------------|--------------|-------------|------------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | \nearrow |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | 1 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | \searrow |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Χ | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | 1 |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | \nearrow |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | Χ | \$2,000 |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | • |
| 4. Either New Construction or Pre-date 1978 | 8? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Χ | \$0 |
| Reasonable Allowance for Benefited Residence | | | \$37,000 | |
| Unmodified Barrier Allowance | | | \$1,332,000 | |
| Adjusted Reasonable Allowance | for Benefite | d Residence | | |
| Adjusted Unmo | dified Barrie | er Allowance | | |

Country: SD
Route: 56
Mile Post: 0.0/2.5

ALT 5

Barrier Name or ID S35 Barrier Height (feet) 10-12 R18 Critical Design Receiver Number of benefited Residences 36 New Hwy Construction No Pre 1978 residences No Existing Noise Level (dBA) 65 Future Noise Level (dBA) 68 Change in Noise Level (dB) Noise Level with 62 Abatement (dBA) Barrier Insertion Loss (dB)

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|-------------------|--------------|-----------|------------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | 1 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | 1 |
| 2. "Build" vs Existing Noise Levels | | | check one | \nearrow |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | 1 |
| 12 dBA or more | Add | \$6,000 | | 1 |
| 3. Achievable Noise Reduction | | | check one | $>\!\!<$ |
| Less than 6 dBA | Add | \$0 | Х | \$0 |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | • |
| 4. Either New Construction or Pre-date | 1978? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | X | \$0 |
| Reasonable Allowance for Benefited Residence | | | \$35,000 | |
| Unmodified Barrier Allowance | | | \$245,000 | |
| Adjusted Reasonable Allowa | ance for Benefite | d Residence | | |
| Adjusted U | Inmodified Barrie | er Allowance | | |

Country: SD
Route: 56
Mile Post: 0.0/2.5
ALT 5

| Barrier Name or ID | S41 |
|-------------------------------------|-------|
| Barrier Height (feet) | 10-12 |
| Critical Design Receiver | R29 |
| Number of benefited | |
| Residences | 7 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 63 |
| Future Noise Level (dBA) | 66 |
| Change in Noise Level (dB) | 3 |
| Noise Level with Abatement (dBA) | 61 |
| Barrier Insertion Loss (dB) | 5 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|-----------------|-------------|-----------|----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | > < |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | > < |
| Less than 3 dBA | Add | \$0 | Χ | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | > < |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | Х | \$2,000 |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 1 | 978? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Х | \$0 |
| Reasonable Allowance for Benefited Residence | | | \$35,000 | |
| Unmodified Barrier Allowance | | | \$385,000 | |
| Adjusted Reasonable Allowan | ce for Benefite | d Residence | | |
| Adjusted Un | modified Barrie | r Allowance | | |

Country: SD
Route: 56
Mile Post: 0.0/2.5

ALT 5

| Barrier Name or ID | S47 |
|-------------------------------------|-------|
| Barrier Height (feet) | 10-14 |
| Critical Design Receiver | R32 |
| Number of benefited | |
| Residences | 11 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 67 |
| Future Noise Level (dBA) | 68 |
| Change in Noise Level (dB) | 1 |
| Noise Level with Abatement (dBA) | 62 |
| Barrier Insertion Loss (dB) | 6 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|---------------|-------------|-----------|----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | $>\!\!<$ |
| Less than 6 dBA | Add | \$0 | Х | \$0 |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 1978 | ? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Х | \$0 |
| Reasonable Allowance for Benefited Residence | | | \$35,000 | |
| Unmodified Barrier Allowance | | | \$140,000 | |
| Adjusted Reasonable Allowance | for Benefite | d Residence | | |
| Adjusted Unmo | dified Barrie | r Allowance | | |

Country: SD
Route: 56
Mile Post: 0.0/2.5

ALT 5

| Barrier Name or ID | S20 |
|-------------------------------------|-------|
| Barrier Height (feet) | 12-16 |
| Critical Design Receiver | R43 |
| Number of benefited | |
| Residences | 4 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 63 |
| Future Noise Level (dBA) | 66 |
| Change in Noise Level (dB) | 3 |
| Noise Level with Abatement (dBA) | 61 |
| Barrier Insertion Loss (dB) | 5 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|------------------|-------------|-----------|----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | > < |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | Χ | \$4,000 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | > < |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | $>\!\!<$ |
| Less than 6 dBA | Add | \$0 | Х | \$0 |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date | 1978? | | check one | > < |
| Yes on either one | Add | \$10,000 | Х | \$10,000 |
| No on both | Add | \$0 | | - |
| Reasonable Allowance for Benefited Residence | | | \$47,000 | |
| Unmodified Barrier Allowance | | | \$94,000 | |
| Adjusted Reasonable Allowa | nce for Benefite | d Residence | | |
| Adjusted U | nmodified Barrie | r Allowance | | |

Country: SD
Route: 56
Mile Post: 0.0/2.5
ALT 5

| Barrier Name or ID | S34 |
|-------------------------------------|------|
| Barrier Height (feet) | 8-10 |
| Critical Design Receiver | R46 |
| Number of benefited | |
| Residences | 2 |
| New Hwy Construction | No |
| Pre 1978 residences | Yes |
| Existing Noise Level (dBA) | 66 |
| Future Noise Level (dBA) | 71 |
| Change in Noise Level (dB) | 5 |
| Noise Level with Abatement (dBA) | 66 |
| Barrier Insertion Loss (dB) | 5 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|--------------|-------------|-----------|----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | Χ | \$4,000 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | $>\!\!<$ |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | Х | \$2,000 |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 1978 | ? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | X | \$10,000 |
| No on both | Add | \$0 | | - |
| Reasonable Allowance for Benefited Residence | | | \$49,000 | |
| Unmodified Barrier Allowance | | | \$98,000 | |
| | | | | |
| Adjusted Reasonable Allowance | for Benefite | d Residence | | |

Country: SD
Route: 56
Mile Post: 0.0/2.5

ALT 5

Barrier Name or ID S34 OPT Barrier Height (feet) 12-14 R46 Critical Design Receiver Number of benefited Residences New Hwy Construction No Pre 1978 residences Yes Existing Noise Level (dBA) 66 Future Noise Level (dBA) 71 Change in Noise Level (dB) Noise Level with 63 Abatement (dBA) Barrier Insertion Loss (dB)

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

Table B-2.

| Base Allowance | | | | > < |
|--|----------------|-------------|-----------|----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | Х | \$4,000 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | >< |
| Less than 3 dBA | Add | \$0 | Х | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | $>\!<$ |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | Χ | \$2,000 |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 19 | 78? | | check one | $>\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Х | \$0 |
| Reasonable Allowance for Benefited Residence | | | \$37,000 | |
| Unm | odified Barrie | r Allowance | | \$37,000 |
| Adjusted Reasonable Allowance | e for Benefite | d Residence | | |
| Adjusted Unm | odified Barrie | r Allowance | | |

Country: SD Route: 5
Mile Post: 32.7/34.8

ALT 5

| Barrier Name or ID | S539 |
|-----------------------------|------|
| Barrier Height (feet) | 8 |
| Critical Design Receiver | R4.1 |
| Number of benefited | |
| Residences | 1 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 70 |
| Future Noise Level (dBA) | 72 |
| Change in Noise Level (dB) | 2 |
| Noise Level with | 65 |
| Abatement (dBA) | 03 |
| Barrier Insertion Loss (dB) | 7 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|-------------------|-------------|-----------|----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | Х | \$6,000 |
| More than 78 dBA | Add | \$8,000 | | 1 |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | check one | >> | |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | Χ | \$6,000 |
| 4. Either New Construction or Pre-date | 1978? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Х | \$0 |
| Reasonable Allowance for Benefited Residence | | | \$45,000 | |
| Unmodified Barrier Allowance | | | \$225,000 | |
| Adjusted Reasonable Allowa | ance for Benefite | d Residence | | |
| Adjusted L | Inmodified Barrie | r Allowance | | |

Country: SD Route: 5 Mile Post: 32.7/34.8

ALT 5

| Barrier Name or ID | S541 |
|-------------------------------------|-------------|
| Barrier Height (feet) | 8, 12, & 14 |
| Critical Design Receiver | R4.4 |
| Number of benefited | |
| Residences | 5 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 70 |
| Future Noise Level (dBA) | 75 |
| Change in Noise Level (dB) | 5 |
| Noise Level with Abatement (dBA) | 63 |
| Barrier Insertion Loss (dB) | 12 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|------------------------------|-------------|-----------|-----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | X | \$4,000 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | X | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | $>\!\!<$ |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | Х | \$2,000 |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 1978? | ? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | X | \$10,000 |
| No on both | Add | \$0 | | - |
| Reasonable Allowance for Benefited Residence | | | \$47,000 | |
| Unmod | Unmodified Barrier Allowance | | | \$987,000 |
| Adjusted Reasonable Allowance for | or Benefite | d Residence | | |
| • | | | | |

Country: SD
Route: 5
Mile Post: 32.7/34.8

ALT 5

| Barrier Name or ID | S551 |
|-------------------------------------|-------|
| Barrier Height (feet) | 14-16 |
| Critical Design Receiver | R4.12 |
| Number of benefited | |
| Residences | 21 |
| New Hwy Construction | No |
| Pre 1978 residences | Yes |
| Existing Noise Level (dBA) | 72 |
| Future Noise Level (dBA) | 70 |
| Change in Noise Level (dB) | -2 |
| Noise Level with Abatement (dBA) | 64 |
| Barrier Insertion Loss (dB) | 6 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|--|-----------------------------|-----------|-----------------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | X | \$8,000 |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | X | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | check one | $>\!\!<$ | |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | Х | \$4,000 |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date | 1978? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| | | | | |
| No on both | Add | \$0 | X | \$0 |
| No on both Reasonable Allowa | | - | Х | \$0 \$43,000 |
| Reasonable Allowa | | d Residence | X | |
| Reasonable Allowa | ance for Benefite Inmodified Barrie | d Residence er Allowance | X | \$43,000 |

Country: SD
Route: 5
Mile Post: 32.7/34.8
ALT 5

| Barrier Name or ID | S557 |
|-------------------------------------|--------|
| Barrier Height (feet) | 8-10 |
| Critical Design Receiver | R4.23A |
| Number of benefited | |
| Residences | 10 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 77 |
| Future Noise Level (dBA) | 79 |
| Change in Noise Level (dB) | 2 |
| Noise Level with Abatement (dBA) | 69 |
| Barrier Insertion Loss (dB) | 10 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|---------------------------|--------------|-----------|-----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | > < |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | Х | \$6,000 |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | $>\!\!<$ |
| Less than 3 dBA | Add | \$0 | Χ | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | check one | > < | |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | Х | \$4,000 |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date | 1978? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | X | \$0 |
| Reasonable Allowa | ance for Benefite | d Residence | | \$41,000 |
| Unmodified Barrier Allowance | | • | Φ0.40.000 | |
| U | <u> Inmodified Barrie</u> | er Allowance | | \$246,000 |
| Adjusted Reasonable Allowa | | | | \$246,000 |

Country: SD
Route: 5
Mile Post: 32.7/34.8

ALT 5

| Barrier Name or ID | S561 |
|-------------------------------------|------|
| Barrier Height (feet) | 8 |
| Critical Design Receiver | R5.1 |
| Number of benefited | |
| Residences | 6 |
| New Hwy Construction | No |
| Pre 1978 residences | No |
| Existing Noise Level (dBA) | 75 |
| Future Noise Level (dBA) | 75 |
| Change in Noise Level (dB) | 0 |
| Noise Level with Abatement (dBA) | 64 |
| Barrier Insertion Loss (dB) | 11 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|------------------------------|--------------|-----------|------------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | 1 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | 1 |
| 2. "Build" vs Existing Noise Levels | | | check one | \nearrow |
| Less than 3 dBA | Add | \$0 | | - |
| 3-7 dBA | Add | \$2,000 | Х | \$2,000 |
| 8-11 dBA | Add | \$4,000 | | 1 |
| 12 dBA or more | Add | \$6,000 | | 1 |
| 3. Achievable Noise Reduction | | check one | $>\!\!<$ | |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | Х | \$2,000 |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | • |
| 4. Either New Construction or Pre-date | 1978? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | Х | \$10,000 |
| No on both | Add | \$0 | | • |
| Reasonable Allowance for Benefited Residence | | | \$47,000 | |
| | Unmodified Barrier Allowance | | | \$188,000 |
| Adjusted Reasonable Allows | ance for Benefite | d Residence | | |
| Adjusted l | Jnmodified Barrie | er Allowance | | |

Country: SD Route: 5 Mile Post: 32.7/34.8

ALT 5

| Barrier Name or ID | S563 |
|-------------------------------------|-------|
| Barrier Height (feet) | 8 |
| Critical Design Receiver | R5.5A |
| Number of benefited | |
| Residences | 4 |
| New Hwy Construction | No |
| Pre 1978 residences | Yes |
| Existing Noise Level (dBA) | 63 |
| Future Noise Level (dBA) | 69 |
| Change in Noise Level (dB) | 6 |
| Noise Level with Abatement (dBA) | 61 |
| Barrier Insertion Loss (dB) | 8 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|---------------|-------------|-----------|-----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | | - |
| 70-74 dBA | Add | \$4,000 | Х | \$4,000 |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | | | check one | >> |
| Less than 3 dBA | Add | \$0 | Χ | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | $>\!\!<$ |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | Х | \$4,000 |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 1978? | | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | Χ | \$10,000 |
| No on both | Add | \$0 | | - |
| Reasonable Allowance for Benefited Residence | | | \$49,000 | |
| Unmodifi | ied Barrie | r Allowance | | \$637,000 |
| Adjusted Reasonable Allowance for | Benefite | d Residence | | |
| Adjusted Unmodifi | la al Dannila | * Allowanaa | | |

Country: SD Route: 5 Mile Post: 32.7/34.8

ALT 5

Barrier Name or ID S567 Barrier Height (feet) R5.7 Critical Design Receiver Number of benefited Residences 13 New Hwy Construction No Pre 1978 residences Yes Existing Noise Level (dBA) 72 Future Noise Level (dBA) 74 Change in Noise Level (dB) Noise Level with 63 Abatement (dBA) Barrier Insertion Loss (dB) 11

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|--|-------------------|--------------|------------|------------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | 1 |
| 75-78 dBA | Add | \$6,000 | | • |
| More than 78 dBA | Add | \$8,000 | | 1 |
| 2. "Build" vs Existing Noise Levels | | | check one | \nearrow |
| Less than 3 dBA | Add | \$0 | Х | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | • |
| 12 dBA or more | Add | \$6,000 | | • |
| 3. Achievable Noise Reduction | | check one | \nearrow | |
| Less than 6 dBA | Add | \$0 | X | \$0 |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date | 1978? | | check one | $>\!\!<$ |
| Yes on either one | Add | \$10,000 | Х | \$10,000 |
| No on both | Add | \$0 | | - |
| Reasonable Allowance for Benefited Residence | | | \$43,000 | |
| U | Inmodified Barrie | r Allowance | | \$129,000 |
| Adjusted Reasonable Allowa | ance for Benefite | d Residence | | |
| Adjusted U | Inmodified Barrie | er Allowance | | |

Country: SD
Route: 5
Mile Post: 32.7/34.8
ALT 5

| Barrier Name or ID | S569 |
|-------------------------------------|-------------|
| Barrier Height (feet) | 8, 12, & 14 |
| Critical Design Receiver | R5.9A |
| Number of benefited | |
| Residences | 3 |
| New Hwy Construction | No |
| Pre 1978 residences | Yes |
| Existing Noise Level (dBA) | 67 |
| Future Noise Level (dBA) | 67 |
| Change in Noise Level (dB) | 0 |
| Noise Level with Abatement (dBA) | 62 |
| Barrier Insertion Loss (dB) | 5 |

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

| Base Allowance | | | | $>\!\!<$ |
|---|-----------|----------|-----------|-----------|
| Base Year 2008 | | | | \$31,000 |
| 1. Absolute Noise Levels | | | check one | $>\!\!<$ |
| 69 dBA or less | Add | \$2,000 | Χ | \$2,000 |
| 70-74 dBA | Add | \$4,000 | | - |
| 75-78 dBA | Add | \$6,000 | | - |
| More than 78 dBA | Add | \$8,000 | | - |
| 2. "Build" vs Existing Noise Levels | check one | $>\!\!<$ | | |
| Less than 3 dBA | Add | \$0 | Χ | \$0 |
| 3-7 dBA | Add | \$2,000 | | - |
| 8-11 dBA | Add | \$4,000 | | - |
| 12 dBA or more | Add | \$6,000 | | - |
| 3. Achievable Noise Reduction | | | check one | > < |
| Less than 6 dBA | Add | \$0 | | - |
| 6-8 dBA | Add | \$2,000 | | - |
| 9-11 dBA | Add | \$4,000 | Х | \$4,000 |
| 12 dBA or more | Add | \$6,000 | | - |
| 4. Either New Construction or Pre-date 19 | check one | $>\!\!<$ | | |
| Yes on either one | Add | \$10,000 | | - |
| No on both | Add | \$0 | Х | \$0 |
| Reasonable Allowance for Benefited Residence | | | | \$37,000 |
| Unmodified Barrier Allowance | | | | \$333,000 |
| Adjusted Reasonable Allowance for Benefited Residence | | | | |
| Adjusted Unmodified Barrier Allowance | | | | |

Country: SD Route: 5 Mile Post: 32.7/34.8

ALT 5

Barrier Name or ID S568 Barrier Height (feet) R5.23 Critical Design Receiver Number of benefited Residences New Hwy Construction No Pre 1978 residences No Existing Noise Level (dBA) 69 Future Noise Level (dBA) 69 Change in Noise Level (dB) Noise Level with 58 Abatement (dBA) Barrier Insertion Loss (dB) 11

Adjusted reasonable allowance for Residence and Barrier must be rounded up to nearest \$1,000.

County: San Diego Route: I-5/SR56 Mile Post: MP 32.7/34.8 / 0.0/2.5 Program Code: Alternative 5

Project Exp Auth: 11-177900

Construction cost without abatement: \$86,000,000

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|------------|---|--------------------------------------|---|----------------------------------|---|----------------------------------|---|
| | From Wo | rksheet A | | Adjusted Barrier Allowance vs | Percentage of Total Barrier Allowance | Modified Barrier Allowance | Modified Allowance per Benefited Residence |
| Barrier ID | Adjusted Allowance for Critical Design Receiver | Number of Benefited Residences | Adjusted Unmodified Barrier Allowance A _i = a _i x n | Construction Cost | (col 4: A/ ΣA) | (A/ ΣA x 0.5 x Const Cost) | (col 7 /col 3) |
| S27 | \$37,000 | n _i 13 | \$481,000 | If the total in column 4 | N/A | N/A | N/A |
| S31 | \$41,000 | 2 | \$82,000 | is equal to or less than | N/A | N/A | N/A |
| S35 | \$37,000 | 36 | \$1,332,000 | than 50% of | N/A | N/A | N/A |
| S41 | \$35,000 | 7 | \$245,000 | construction cost | N/A | N/A | N/A |
| S47 | \$35,000 | 11 | \$385,000 | without abatement, | N/A | N/A | N/A |
| S20 | \$35,000 | 4 | \$140,000 | no adjustment is | N/A | N/A | N/A |
| S34 | \$47,000 | 2 | \$94,000 | necessary, otherwise | N/A | N/A | N/A |
| S539 | \$37,000 | 1 | \$37,000 | continue to next | N/A | N/A | N/A |
| S541 | \$45,000 | 5 | \$225,000 | three columns. | N/A | N/A | N/A |
| S551 | \$47,000 | 21 | \$987,000 | 1 | N/A | N/A | N/A |
| S557 | \$43,000 | 10 | \$430,000 | 1 | N/A | N/A | N/A |
| S561 | \$41,000 | 6 | \$246,000 | | N/A | N/A | N/A |
| S563 | \$47,000 | 4 | \$188,000 | | N/A | N/A | N/A |
| S567 | \$49,000 | 13 | \$637,000 | | N/A | N/A | N/A |
| S569 | \$43,000 | 3 | \$129,000 | 1 | N/A | N/A | N/A |
| S568 | \$37,000 | 9 | \$333,000 | | N/A | N/A | N/A |
| \geq | Totals | 147 | \$5,971,000 | | \searrow | $\overline{}$ | \searrow |

County: San Diego Route: I-5/SR56 Mile Post: MP 32.7/34.8 / 0.0/2.5 Program Code: Alternative 5

Project Exp Auth: 11-177900 S34 Option

Construction cost without abatement: \$86,000,000

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---------------------|--|--|---|----------------------------------|---|----------------------------------|---|
| | From Wo | rksheet A | | Adjusted Barrier Allowance vs | Percentage of Total Barrier Allowance | Modified Barrier Allowance | Modified Allowance per Benefited Residence |
| Barrier ID | Adjusted Allowance for Critical Design Receiver a _i | Number of Benefited Residences n _i | Adjusted Unmodified Barrier Allowance A _i = a _i x n | Construction Cost | (col 4: A/ ΣA) | (A/ ΣA x 0.5 x Const Cost) | (col 7 /col 3) |
| S27 | \$37,000 | 13 | \$481,000 | If the total in column 4 | N/A | N/A | N/A |
| S31 | \$41,000 | 2 | \$82,000 | is equal to or less than | N/A | N/A | N/A |
| S35 | \$37,000 | 36 | \$1,332,000 | than 50% of | N/A | N/A | N/A |
| S41 | \$35,000 | 7 | \$245,000 | construction cost | N/A | N/A | N/A |
| S47 | \$35,000 | 11 | \$385,000 | without abatement, | N/A | N/A | N/A |
| S20 | \$35,000 | 4 | \$140,000 | no adjustment is | N/A | N/A | N/A |
| S34 OPT | \$49,000 | 2 | \$98,000 | necessary, otherwise | N/A | N/A | N/A |
| S539 | \$37,000 | 1 | \$37,000 | continue to next | N/A | N/A | N/A |
| S541 | \$45,000 | 5 | \$225,000 | three columns. | N/A | N/A | N/A |
| S551 | \$47,000 | 21 | \$987,000 | | N/A | N/A | N/A |
| S557 | \$43,000 | 10 | \$430,000 | | N/A | N/A | N/A |
| S561 | \$41,000 | 6 | \$246,000 | | N/A | N/A | N/A |
| S563 | \$47,000 | 4 | \$188,000 | | N/A | N/A | N/A |
| S567 | \$49,000 | 13 | \$637,000 | | N/A | N/A | N/A |
| S569 | \$43,000 | 3 | \$129,000 | | N/A | N/A | N/A |
| S568 | \$37,000 | 9 | \$333,000 | | N/A | N/A | N/A |
| $\searrow \searrow$ | Totals | 147 | \$5,975,000 | | \searrow | $\bigg\rangle\!\!\!\bigg\rangle$ | $ \nearrow \!\!\!\! /$ |